Honeywell

Multi-Site 4200

Remote Viewing Software for Mac

User Guide

Document 800-13101 – Rev B – 09/2014

User Guide

Revisions

Issue	Date	Revisions
A	11/2013	New document.
B	09/2014	Revised document reflects changes to Device Parameters and Camera Settings in latest version of software (v1.02.10.50); references new HRGX DVRs.

Contents

About This Document **7**
Overview of Contents 7
Related Documents 8
1 Getting Started **9**
About Multi-Site 4200 9
Installing Multi-Site 4200 10
Registering an Administrator Account 10
Running the Setup Wizard 11
Adding a Device 11
Adding a Group 13
Importing Cameras 14
Overview of User Interface Layout 15
Menu Bar 16
Control Panel Layout 17
2 Basic Operations **19**
Main View Screen Layout 20
Viewing Live Video 22
Starting and Stopping Live View 22
Setting the Screen Layout 22
Using Auto-Switch 23
Using PTZ Control in Live View 23
Recording Video 27
Playing Back Recorded Video 29
Instant Playback 29
Playing Back Locally Archived Video 31
Playing Back and Downloading Remotely Archived Video 33
Playing Back Video by Event Type 35
3 Management **37**
Managing Devices 37
Importing Cameras 39
Managing Groups 39
Importing Cameras 40
Managing Logs 41
Searching Logs 41
Saving Logs 42
Opening Saved Logs 43
Managing Alarms 44
Viewing Alarm and Event Information 44
Linking Alarm Logs 44
Blocking Alarms from a Device 45

Managing E-Maps . . . 45
Managing Hot Spots . . . 47
Managing Hot Regions . . . 50
Managing User Accounts . . . 53
4 Configuration . . . 55
Remotely Configuring Devices . . . 55
Viewing Basic Device Information . . . 56
Configuring General Device Settings . . . 57
Configuring General Network Settings . . . 58
Configuring Advanced Network Settings . . . 59
Configuring Device Alarm Settings . . . 60
Configuring Device User Settings . . . 61
Configuring Device Hard Disk Drive Settings . . . 63
Configuring Device Exceptions . . . 64
Searching and Viewing Recorded Video Stored on Device . . . 65
Searching and Displaying Log Files Stored on Device . . . 66
Configuring Holiday Settings . . . 67
Configuring Remote Upgrades and Daylight Saving Time . . . 68
Configuring Device Channel Zero Settings . . . 69
Viewing Network Resource Usage . . . 70
Remotely Configuring Cameras . . . 71
Configuring Picture Settings . . . 72
Configuring Video Quality . . . 72
Configuring the Recording Schedule . . . 74
Configuring the Video Display . . . 76
Configuring Motion Detection . . . 78
Configuring the Tampering Alarm . . . 80
Configuring Video Loss Detection . . . 81
Configuring PTZ Settings . . . 82
Configuring the Network Connection . . . 83
Configuring System Settings . . . 84
Configuring General System Settings . . . 84
Configuring File Saving Paths . . . 85
Configuring Alarm Sounds . . . 86
Configuring Email Settings . . . 87
Appendix A Troubleshooting . . . 89

About This Document

This user guide describes how to install and operate Multi-Site 4200 video management software on a Mac computer. These instructions are intended for system integrators, installers, and end-user operators.

Overview of Contents

This document contains the following chapters and appendixes:

- *Chapter 1, Getting Started*, describes installation and first-time setup procedures.
- *Chapter 2, Basic Operations*, describes procedures for viewing, recording, and playing back video.
- *Chapter 3, Management*, describes procedures for managing devices, logs, alarms, e-maps, and user accounts.
- *Chapter 4, Configuration*, describes procedures for remotely configuring DVRs and cameras, and for configuring Multi-Site 4200's system settings.
- *Appendix A, Troubleshooting*, lists possible resolutions to common problems.

Related Documents

For more information about using the HRGX DVR, refer to the following documents:

Document title	Part number*
HRGX DVR Getting Started Guide	800-16693
HRGX DVR User Manual	800-16694
HRGX DVR Remote Web Access User Guide	800-18321
HRGX DVR Apple iPhone Mobile App User Guide	800-19166
HRGX DVR Apple iPad Mobile App User Guide	800-18322
HRGX DVR Android Mobile App User Guide	800-18323
Multi-Site 4200 User Guide for Windows	800-12064V2

** These part numbers are subject to change. Please consult the HRGX Performance Series DVR product webpage for the latest versions:*

http://www.honeywellvideo.com/products/video-systems/recording-devices/analog/performance-series/757666.html

1

Getting Started

This chapter contains the following sections:

- *About Multi-Site 4200* on page 9
- *Installing Multi-Site 4200* on page 10
- *Registering an Administrator Account* on page 10
- *Running the Setup Wizard* on page 11
- *Overview of User Interface Layout* on page 15

About Multi-Site 4200

Multi-Site 4200 provides centralized management of Honeywell HRGX Performance Series DVRs and connected cameras over a network.

Multi-Site 4200 is scalable and offers a variety of configuration modules for small or large video surveillance installations. The software comes with a comprehensive feature set that includes simultaneous live view and playback of cameras from multiple sites, real-time monitoring and recording, and file backup.

Installing Multi-Site 4200

To run Multi-Site 4200, your computer must meet the following minimum requirements:

Operating System	Mac OS X Lion 10.6 or later
CPU	Intel Core 2 Duo, Core i3, Core i5, Core i7, or Xeon processor
Disk Space	100 MB of available disk space
System Memory	2 GB of RAM
Display Resolution	1024 × 768 or higher

Note You must have administrator privileges to install Multi-Site 4200.

To install Multi-Site 4200

1. Insert the CD that came with your DVR or download and extract the latest Multi-Site 4200 Mac installer package.
2. Double-click **Multi-Site 4200.pkg** to launch the installer.
3. Follow the installer's on-screen instructions.

Registering an Administrator Account

The first time you start Multi-Site 4200, you will need to register an administrator ("super user") account.

To register an administrator account

1. In the **Applications** folder, double-click **Multi-Site 4200**.
2. In **Super User**, type your name.
3. In **Password**, type your password (minimum 6 characters).
4. In **Confirm**, re-type your password.
5. If you want to be logged in automatically from now on, select the **Enable Auto-login** check box.
6. Click **Register** to save your settings.

Running the Setup Wizard

After you have registered an administrator account, a setup wizard opens to help you add your DVR and its connected cameras to Multi-Site 4200.

On the welcome page, click **Enter Wizard** to continue to the **Add Device** page.

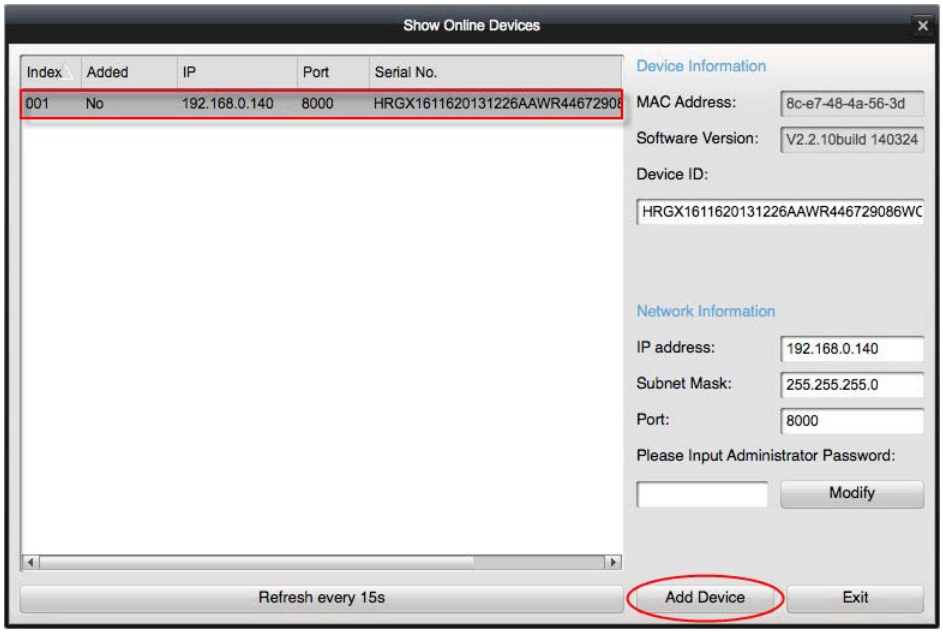
Note You may be prompted for an administrator password during the setup process.

Adding a Device

To add a device

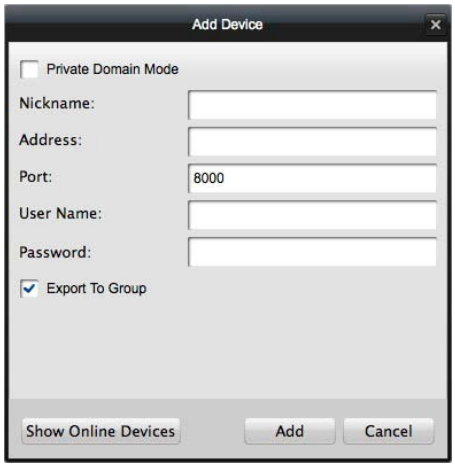
1. On the **Add Device** page, click **Show Online Devices** to see a list of active DVRs on the same network (LAN) as the Mac that is running Multi-Site 4200.

2. In the **Show Online Devices** dialog box, in the list of discovered devices, click the DVR that you want to add, and then click **Add Device**.



3. Click **Yes** to confirm that you want to add the selected device.
4. If your DVR uses hrgDDNS (a free Dynamic DNS service), in the **Add Device** dialog box, select the **Private Domain Mode** check box. If your DVR does not use hrgDDNS, leave the box unchecked.
5. In **Nickname**, type a descriptive name for your DVR.
6. If **Private Domain Mode** is enabled, in **Server Address**, type **www.hrgdvr-ddns.com**.

   If **Private Domain Mode** is not enabled, the **Address** box should show your DVR's IP address or its DynDNS address. If the box is blank, type the DVR's IP address or its DynDNS address.



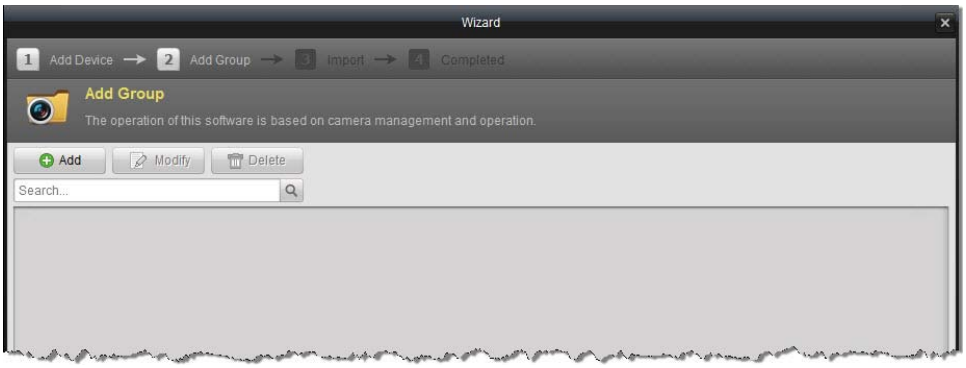
7. If **Private Domain Mode** is enabled, in **Device Domain Name**, type the hrgDDNS domain name (for example, hrgx-sample-dvr).

   If **Private Domain Mode** is not enabled, the **Port** box should show your DVR's device port number (also called the server port number). If the box is blank, type the device port number of the DVR. The default port number is **8000**.
8. In **User Name**, type the user name of your DVR. (The default user name is **admin**.)
9. In **Password**, type the password of your DVR. (The default password is **12345**.)
10. Click **Add** to add your DVR to the devices list, and then click **Next** to continue to the next page.

Adding a Group

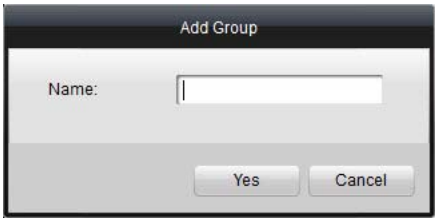
Note If the **Export to Group** check box was selected when you added your DVR to the devices list, a group was created for your DVR and your DVR's channels were added to it. If you do not want to make any more changes, click **Cancel** to close the wizard.

On the **Add Group** page, you can add, modify, or delete a group. You can add up to 256 groups.



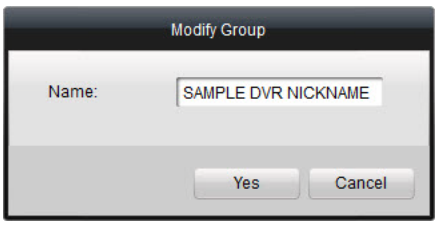
To add a group

1. On the **Add Group** page, click **Add**.
2. In the **Add Group** dialog box, in **Name**, type a new name, and then click **Yes**.
3. Click **Next** to continue to the next page.



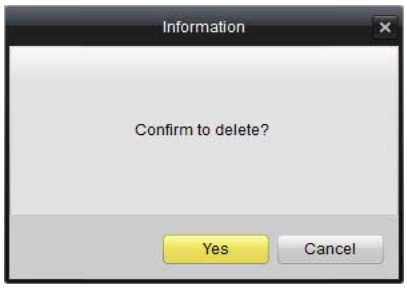
To edit a group name

1. On the **Add Group** page, click **Modify**.
2. In the **Modify Group** dialog box, in **Name**, type a new name, and then click **Yes**.
3. Click **Next** to continue to the next page.



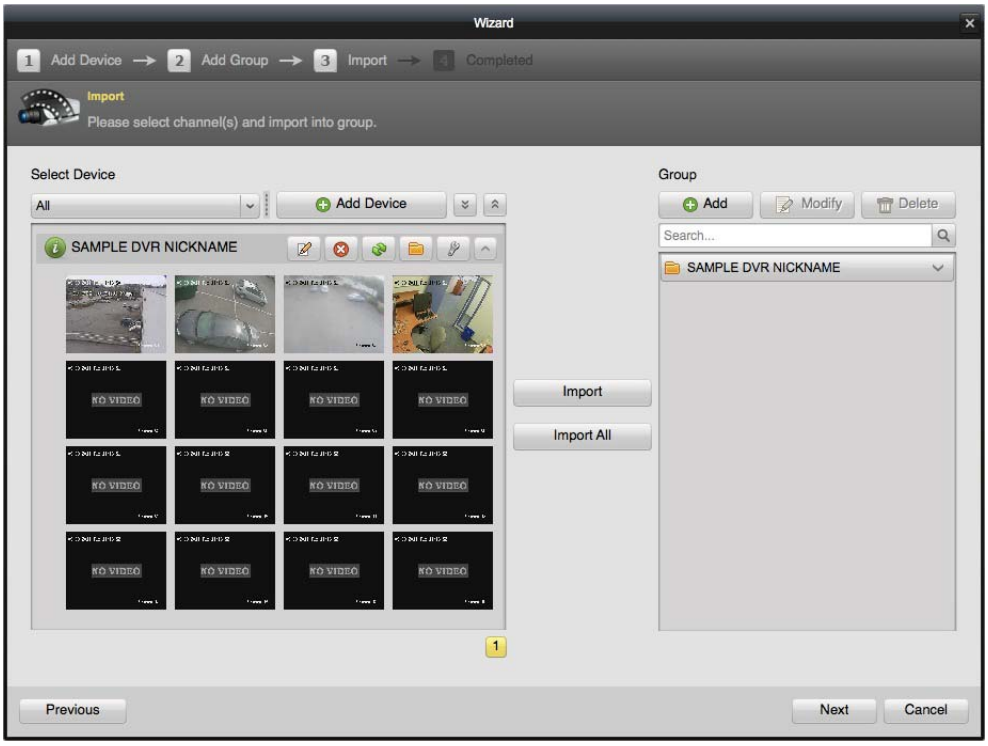
To delete a group

1. On the **Add Group** page, click **Delete**.
2. Click **Yes** to confirm that you want to delete the group.
3. Click **Next** to continue to the next page.



Importing Cameras

On the **Import** page, you can import cameras into a group that you have created. You can import up to 64 cameras into each group.



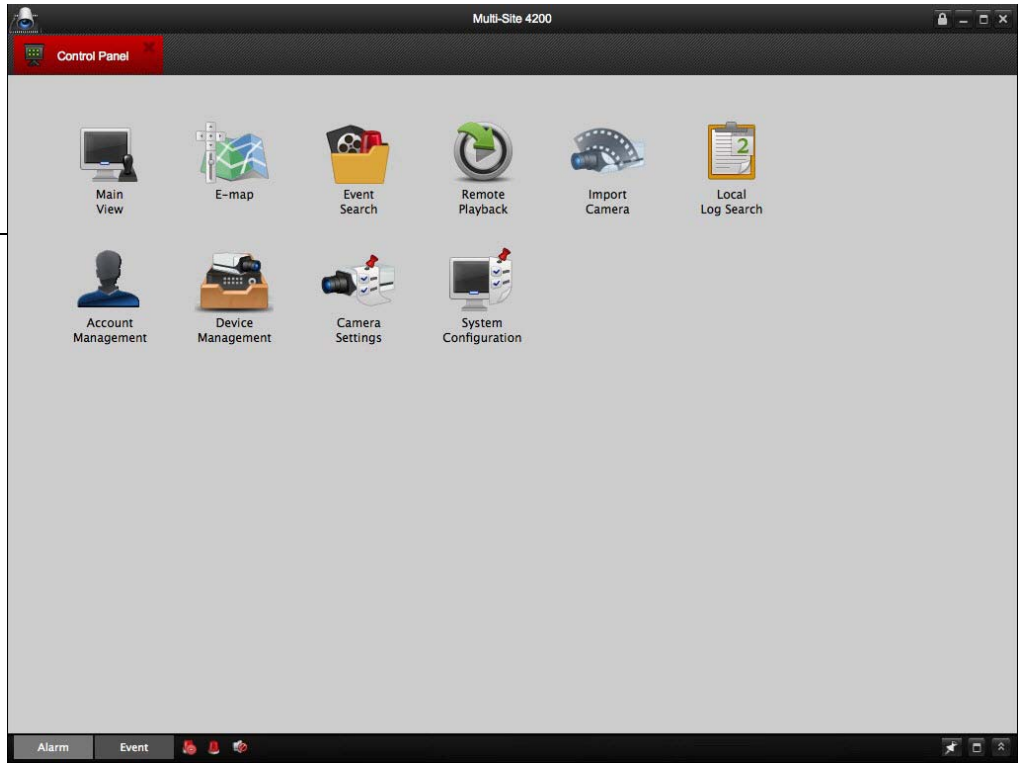
To import cameras to a group

1. On the **Import** page, under **Group**, click the camera group that you want to import to.
2. Do one of the following:
   - To import all the cameras to the group, click **Import All**.
   - To import selected cameras to the group, select the camera(s) you want to import, and then click **Import**.
3. Click **Next** to continue to the next page, and then click **Finished** to close the setup wizard.

Overview of User Interface Layout

This section provides a brief overview of the Multi-Site 4200 user interface and the **Control Panel** tab.

Control Panel Icons



Menu Bar

Menu	Command	Description
File	**Open Captured Picture**	Opens the **Capture** window. You can browse for and open captured image files stored on your computer's hard drive.
	Open Video File	Opens the video player. Click the **Open File** button to browse for and open recorded video files.
	Open Log File	Opens the **Log File** window. You can browse for and open saved log files.
System	**Lock**	Locks the system. You must log in to unlock the system.
	Switch User	Opens **Switch User** window. New user must log in.
	System Configuration	Opens the **System Configuration** window.
	Import Configuration File	Imports a client configuration file from your computer.
	Export Configuration File	Exports a client configuration file to your computer.
View	**1024*768**	Resizes the display window to 1024 × 768 pixels.
	1280*1024	Resizes the display window to 1280 × 1024 pixels.
	Most Adaptive Screen	Sets the display window to full screen.
	Control Panel	Opens the **Control Panel** tab.
	Main View	Opens the **Main View** tab.
	E-map	Opens the **E-map** tab.
	Event Search	Opens the **Event Search** tab.
	Remote Playback	Opens the **Remote Playback** tab.
Tools	**Import Camera**	Opens the **Import Camera** tab.
	Camera Settings	Opens the **Camera Setting** tab.
	Account Management	Opens the **Account Management** tab.
	Device Management	Opens the **Device Management** tab.
	Device Arming Control	Enables alarm notifications for a device.
Help	**Open Wizard**	Opens the setup wizard.
	User Manual	Opens the user manual. You can also open the user manual by pressing F1 on your keyboard.

Control Panel Layout

The **Control Panel** tab provides quick access to the most important and frequently used features.

Task	Item	Description
Operation	Main View	In the **Main View** tab you can view and record live video and play back locally stored video files.
	E-map	In the **E-map** tab you can associate a device group with an e-map to visualize the location and distribution of cameras.
	Event Search	In the **Event Search** tab you can search for video files recording motion detection and alarm events.
	Remote Playback	In the **Remote Playback** tab you can search and play back video files stored on your DVR's hard drive.
	Import Camera	In the **Import Camera** tab you can import cameras (channels) into a device group.
	Local Log Search	In the **Local Log Search** tab you can search alarm, operation, and system logs by date.
Management and Configuration	Account Management	In the **Account Management** tab you can create, edit, and delete user accounts.
	Device Management	In the **Device Management** tab you can remotely configure the DVR's network, alarm, user, hard drive, log, and other settings.
	Camera Settings	In the **Camera Settings** tab you can remotely configure camera settings, including picture, video quality, recording schedule, privacy masks, event detection (motion, tampering, video loss), PTZ control, and network connection.
	System Configuration	In the **System Configuration** tab you can configure Mult-Site 4200 system settings, including file saving paths, alarm sounds, and email notifications.

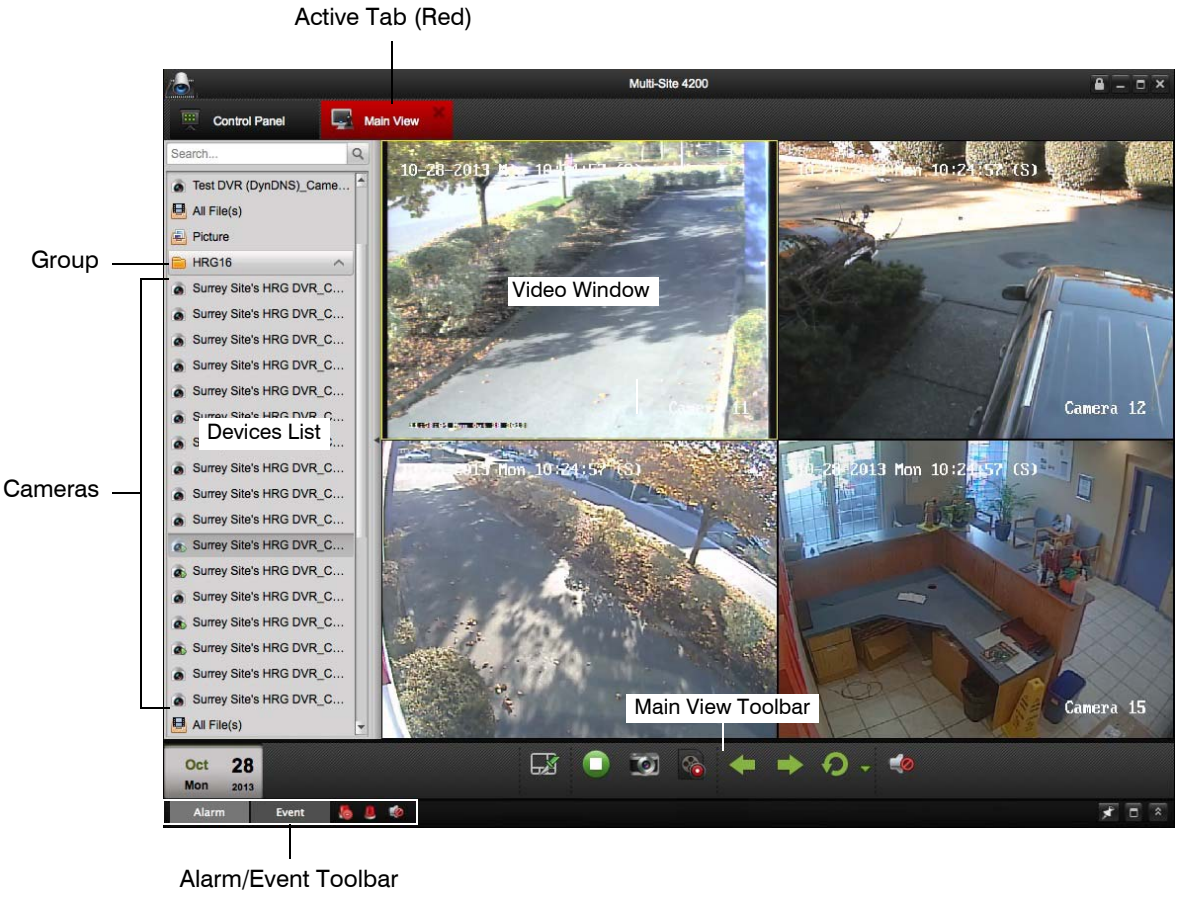
2

Basic Operations

This chapter contains the following sections:

- *Main View Screen Layout* on page 20
- *Viewing Live Video* on page 22
- *Recording Video* on page 27
- *Playing Back Recorded Video* on page 29

Main View Screen Layout



Camera Status Icons

Icon	Description
	Camera is online but not in live view.
	Camera is offline.

Icon	Description
	Camera is in live view.
	Camera is recording.

Main View Toolbar

Button	Name	Description
	Layout	Select different screen layout options.
	Stop	Stop live view for all cameras in group.
	Play	Start live view for all cameras in group.
	Capture	Save a still image for the selected camera.
	Start/Stop Recording	Start or stop recording video for the selected camera.
	Previous Page	View previous camera.
	Next Page	View next camera.
	Auto-Switch	Start auto-switching the screen by cameras or by groups.
	Volume	Adjust live audio volume for the selected camera by moving the slider. On the slider, click to enable audio or to disable audio.

Context Menus (Right-Click Mouse to Access)

Live View

Playback

Viewing Live Video

Starting and Stopping Live View

To view all the cameras in a group

Double-click a group in the devices list. Video from all the cameras in the group appears in the video windows.

To view selected cameras in a group

1. Double-click a camera in the devices list. Video from the selected camera appears in the highlighted video window (by default, the upper left window).
2. To view another camera, click another video window to highlight it, and then double-click the camera you want to view in that window. Do this for each camera that you want to view.

Note Alternatively, you can drag a camera directly from the devices list to the video window where you want to display the video.

To stop viewing all cameras

On the **Main View** toolbar, click the **Stop** button .

To stop viewing selected cameras

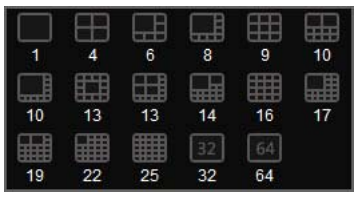
In the devices list, double-click the camera you want to stop viewing. Alternatively, right-click in the video window, and then click **Stop Live View**.

Setting the Screen Layout

You can customize your screen layout.

To set the screen layout

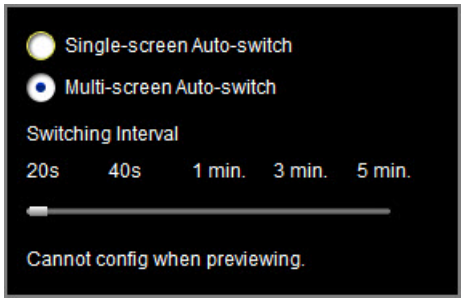
1. On the **Main View** toolbar, click the **Layout** button to display the layout options.
2. Click the desired screen layout option.



Using Auto-Switch

When auto-switch mode is enabled, the video feed changes at regular intervals, cycling through all the connected cameras.

To start auto-switch



1. On the **Main View** toolbar, click the drop-down arrow ( ).
2. Click **Single-screen Auto-switch** or **Multi-screen Auto-switch**.
3. Set the **Switching Interval** by moving the slider left or right.
4. Click the **Start Auto-switch** button to enable auto-switch.

To stop auto-switch

Click the **Stop Auto-switch** button to disable auto-switch.

Using PTZ Control in Live View

If the connected camera supports PTZ control, you can control it remotely.

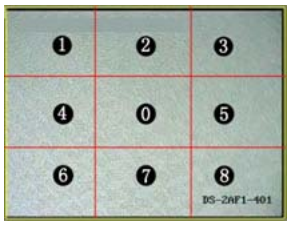
To start PTZ control

Right-click in the video window, and then click **PTZ Control**. The **PTZ** control panel opens.

The following table lists the **PTZ** control panel buttons and their functions:

Button	Description
	Zoom
	Focus
	Iris
	3D positioning
	Direction buttons Click to start/stop the auto-scan function.
	Speed adjustment for pan/tilt functions
	Preset configuration
	Pattern configuration
	Patrol configuration
	Call or play a preset/pattern/patrol.
	Add/edit a preset/pattern/patrol.
	Delete a preset/pattern/patrol.

You can control PTZ movement by clicking the direction buttons on the **PTZ** control panel. Alternatively, you can click on the video window where you want to move the camera.



Click in the screen area to move in the corresponding direction:

1. Upper Left
2. Up
3. Upper Right
4. Left
5. Right
6. Lower Left
7. Down
8. Lower Right

Configuring Presets

You can set up the camera to go to a predefined position (preset).

To add a preset

1. In the **PTZ** control panel, click **Preset**.
2. Using the pan, tilt, and zoom controls, move the camera to the position that you want to define as the preset.
3. In the **PTZ** control panel, in the preset list, click the number of the preset you want to set, and then click the **Add/Edit Preset** button .

4. In **Name**, type a name for the preset, and then click **Yes**. The preset name you entered appears in the preset list next to the number.

To delete a preset

1. In the **PTZ** control panel, click **Preset**.
2. Click the preset you want to delete in the preset list, and then click the **Delete Preset** button .
3. At the prompt, click **Yes** to confirm the deletion. If the deletion is successful, the message "Deleting preset succeeded" appears in the lower right corner of the screen.

Configuring Patterns

You can set up the camera to follow a predefined pattern of movement.

To add a pattern

1. In the **PTZ** control panel, click **Pattern**.
2. Click the **Start Recording Pattern** button .
3. Using the PTZ controls, select the camera movements that you want to define as the pattern.
4. When you are finished, click the **Stop Recording Pattern** button .

To call a pattern

1. In the **PTZ** control panel, click **Pattern**.
2. Click the **Call Pattern** button . The camera follows the pattern that you have programmed.
3. When you are finished, click the **Stop Calling Pattern** button .

Configuring Patrols

You can set up the camera to follow a predefined path between two or more presets.

To add a patrol

1. On the **PTZ** control panel, click **Patrol**.
2. Select a path from the drop-down list. You can define up to 16 paths.
3. Click the **Add** button to add a preset.
4. In the **Add Patrol No**. dialog box, select the preset you want to add, enter the switching interval (1–255 seconds), enter the desired patrol speed (1–40), and then click **Yes**.

5. Add additional presets following the procedure in steps 3 and 4.

   Click the **Edit Patrol No** button to edit a preset in the patrol path.

To call a patrol

1. In the **PTZ** control panel, click **Patrol**.
2. Click the **Call Patrol** button . The camera follows the patrol path that you have defined.
3. When you are finished, click the **Stop Calling Patrol** button .

Recording Video

You can save video clips and screen captures to your local computer.

To save video to your computer

1. In the **Main View** tab, in the left pane, double-click a camera to display live video from that camera.
2. To start recording video, in the toolbar, click the **Start Recording** button .
3. To stop recording, click the **Stop Recording** button . The saving path of the file appears in the lower right corner of the screen.

Note You can change the saving path in **Control Panel** > **System Configuration** > **File**. See *Configuring File Saving Paths* on page 85 for more information.

To save a captured image to your computer

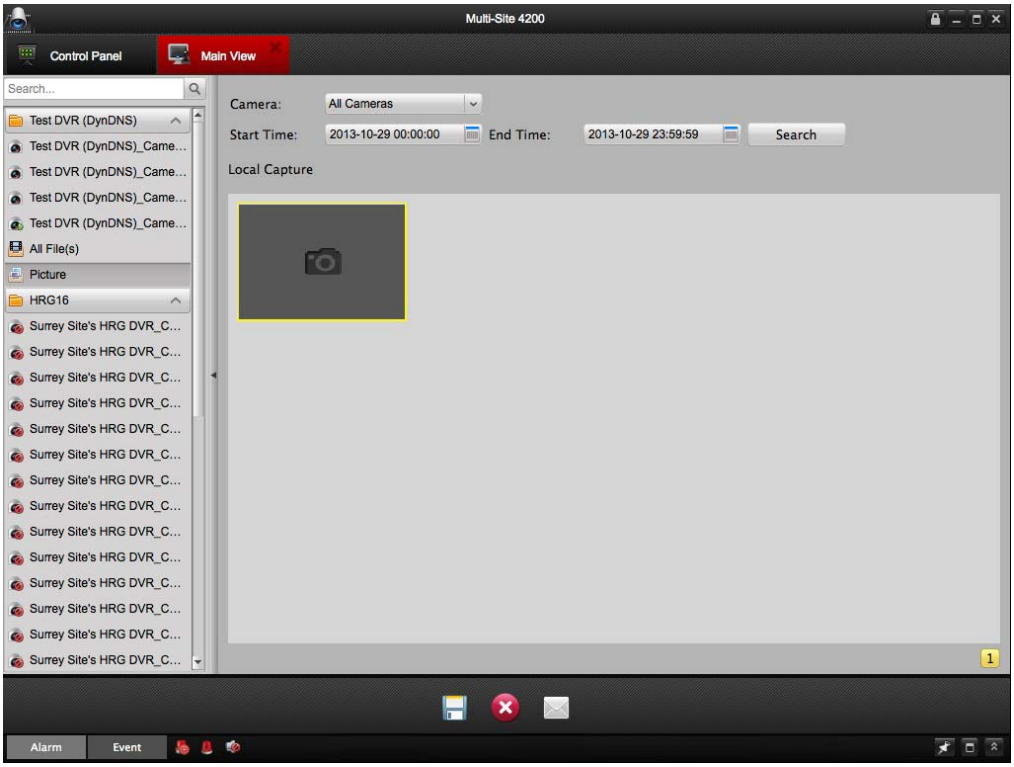
1. In the **Main View** tab, in the left pane, double-click a camera to display live video from that camera.
2. In the toolbar, click the **Capture** button . A thumbnail of the captured image, along with the saving path of the file, appears in the lower right corner of the screen.

Note You can change the saving path in **Control Panel** > **System Configuration** > **File**. See *Configuring File Saving Paths* on page 85 for more information.

To view a captured image that you have saved

1. In the **Main View** tab, in the left pane, click **Picture**.
2. In **Camera**, select a specific camera to search or leave it set to **All Cameras**.
3. In **Start Time** and **End Time**, specify your search parameters. You can type the date and time manually, or you can click the calendar icon to display a graphical interface.

4. Click **Search**. The captured images matching your search parameters are displayed.



5. Double-click the captured image that you want to view.

Alternatively, on the **File** menu, click **Open Captured Picture**, click ··· to open the folder where the images are stored, click the date you want to find, and then click the image you want to view.

Playing Back Recorded Video

Instant Playback

You can quickly play back video from the last few minutes or hours in the video window.

Note You can set the instant playback pre-time in **Control Panel > System Configuration > General**. See *Configuring General System Settings* on page 84 for more information.

To play back video from the last few minutes

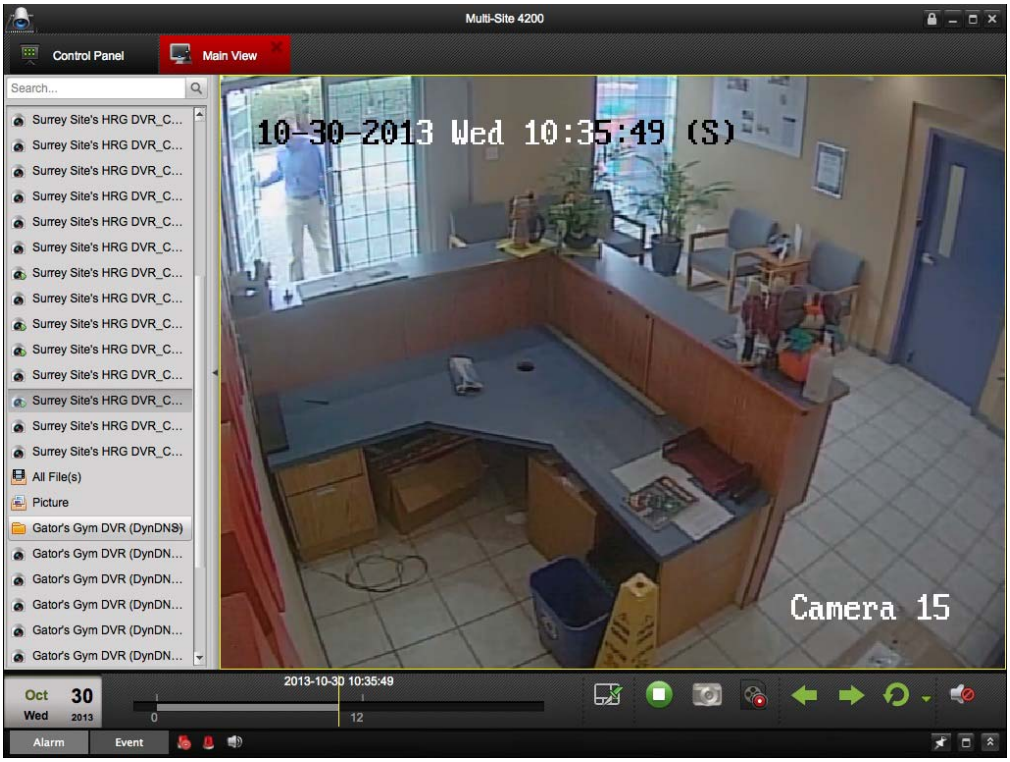
1. In the **Main View** tab, in the left pane, double-click a camera to display live video from that camera.
2. Right-click anywhere in the video window, and then click **Playback**. Playback of the last few minutes of video starts automatically in the video window.
3. While the video is playing back, right-click anywhere in the video window to access the playback controls.

4. To return to live view mode, click **Live View**.

To play back video from earlier in the day

1. In the **Main View** tab, in the left pane, double-click a camera to display live video from that camera.
2. Right-click anywhere in the video window, and then click **Playback**. Playback of the last few minutes of video starts automatically in the video window.

3. Drag the timeline at the bottom of the screen to the desired playback start time. You can click or to expand or narrow the timeline. The earliest start time is 00:00:00 of the current day.



4. While the video is playing back, right-click anywhere in the video window to access the playback controls.

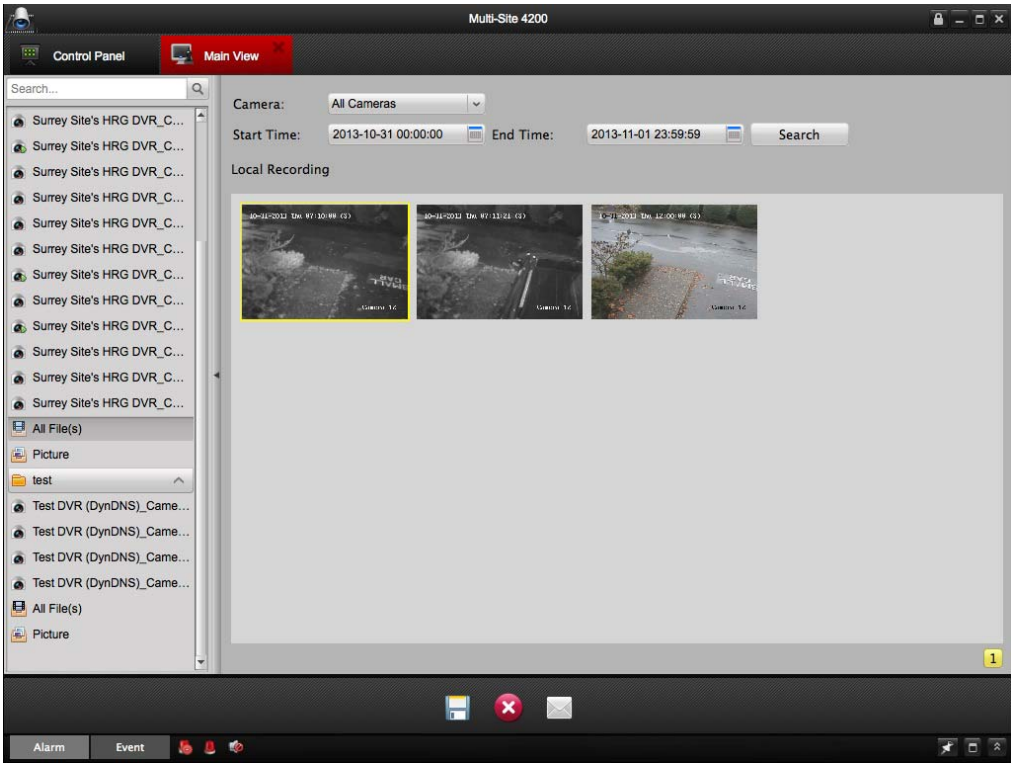
5. To return to live view mode, click **Live View**.

Playing Back Locally Archived Video

You can search and play back recorded video files stored on your computer.

To search and play back video files stored on your computer

1. In the **Main View** tab, in the left pane, click **All File(s)**.
2. In **Camera**, select a specific camera to search or leave it set to **All Cameras**.
3. In **Start Time** and **End Time**, specify your search parameters. You can type the date and time manually, or you can click the calendar icon to display a graphical interface.
4. Click **Search**. The video files matching your search parameters are displayed.



5. Double-click the file you want to play back. The video file opens in the video player.

To rename the video clip, click the **Save As** button .

To delete the video clip, click the **Delete** button .

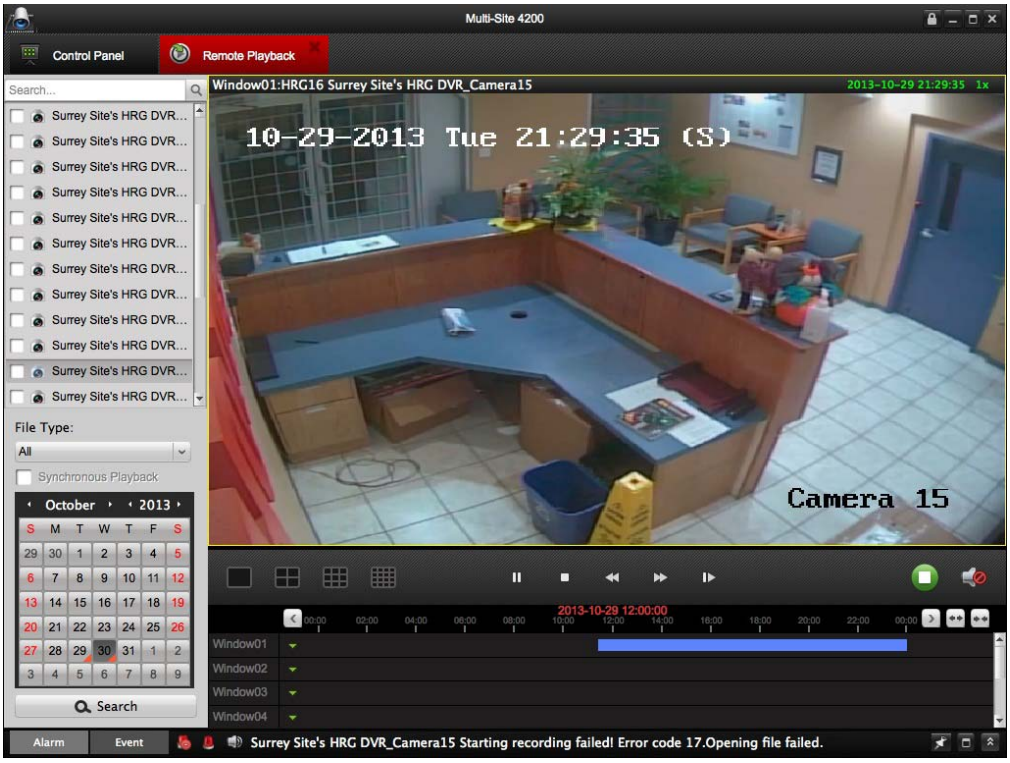
To email the video clip, click the **Email** button (you must configure the email settings first; see *Configuring Email Settings* on page 87 for more information). The video clip must be less than 5 MB to use this feature.

Playing Back and Downloading Remotely Archived Video

You can remotely search and play back recorded video files stored on your DVR.

To remotely search and play back video files stored on your DVR

1. In **Control Panel**, click **Remote Playback**.



2. In the left pane, select the camera(s) that you want to search.
3. In **File Type**, select a specific file type to search or leave it set to **All** to search all file types.
4. Click the date you want to search on the calendar, and then click **Search**.

Indicates that recorded video is available for that day

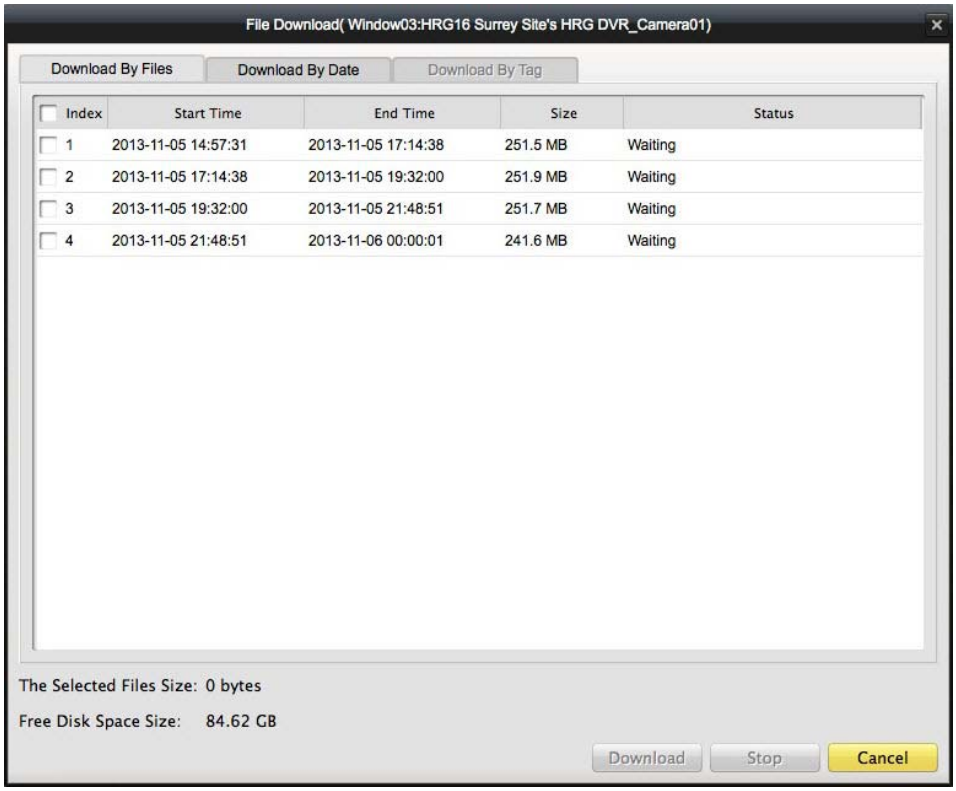
Indicates that recorded video is not available for that day.

5. On the timeline, click the time at which you want to start playing video.
6. Use the controls on the toolbar to control playback. To see additional controls, right-click anywhere in the video window.

Note You can only play audio on one channel at a time.

To download video files from your DVR to your local computer

1. In **Control Panel**, click **Remote Playback**.
2. In the left pane, select the camera(s) that you want to search.
3. Under **File Type**, select a specific file type to search or leave it set to **All** to search all file types.
4. Click the date you want to search on the calendar, and then click **Search**.
5. Right-click anywhere in the video window, and then click **Download**.



6. In the **File Download** dialog box, select the file(s) you want to download. The files available to download are listed under the **Download By Files** tab or the **Download By Date** tab (the **Download By Tag** option is not supported at this time).
7. Click **Download**.

Note You can change the saving path in **Control Panel** > **System Configuration** > **File**. See *Configuring File Saving Paths* on page 85 for more information.

Playing Back Video by Event Type

You can search and play back recorded video files by event type.

To search and play back video files by event type

1. In **Control Panel**, click **Event Search**.
2. Click **Motion Detection** or **Alarm Input**, depending on the event type you want to search for.
3. In **Group**, select the group you want to search.
4. Do one of the following:
   - If you are searching for a motion detection event, in **Camera**, select the camera you want to search.
   - If you are searching for an alarm input event, in **IO**, select the alarm input you want to search.
5. In **Start Time** and **End Time**, specify your search parameters. The start and end times must be within 24 hours of each other. You can type the date and time manually, or you can click the calendar icon to display a graphical interface.
6. Click **Search**. A list of search results is displayed.
7. Click in a window to make it active, and then, from the list of search results, double-click the video file you want to play. The file begins playing in the selected window.

Playback Controls

During playback, right-click anywhere in the window to display the context menu. The context menu displays options for capturing, recording, downloading, enabling audio, and selecting another camera.

To change the playback speed, click the slider in the lower right of the screen.

3

Management

This chapter contains the following sections:

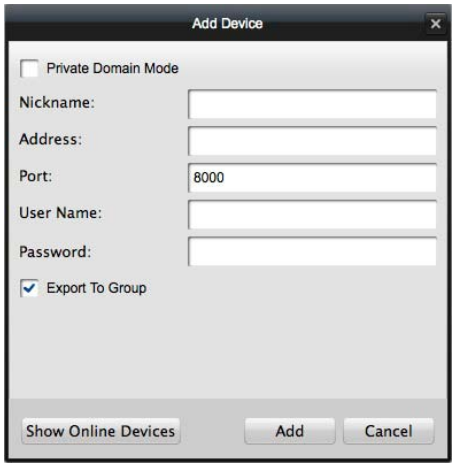
- *Managing Devices* on page 37
- *Importing Cameras* on page 39
- *Managing Logs* on page 41
- *Managing Alarms* on page 44
- *Managing E-Maps* on page 45
- *Managing User Accounts* on page 53

Managing Devices

You can add a device, edit device settings, and delete devices in the **Device Management** tab.

To add a device

1. In **Control Panel**, click **Device Management**.
2. Click **Show Online Devices** to see a list of DVRs on the same network (LAN) as the Mac that is running Multi-Site 4200.
3. In the **Show Online Devices** dialog box, in the list of discovered devices, click the DVR that you want to add.
4. Optionally, you can:
   - Modify the DVR's network information (you will need to enter the administrator password of the device to modify these fields).
   - Restore the default password of the device (you will need to enter a recovery code provided by authorized engineers).
5. Click **Add Device**, and then click **Yes** to confirm your choice.
6. If your DVR uses hrgDDNS (a free DDNS service), in the **Add Device** dialog box, select the **Private Domain Mode** check box. If your DVR does not use hrgDDNS, leave the box unchecked.



7. In **Nickname**, type a descriptive name for your DVR.
8. If **Private Domain Mode** is enabled, in **Server Address**, type **www.hrgdvr-ddns.com**.

   If **Private Domain Mode** is not enabled, the **Address** box should show your DVR's IP address or its DynDNS address. If the box is blank, type the DVR's IP address or its DynDNS address.
9. If **Private Domain Mode** is enabled, in **Device Domain Name**, type the hrgDDNS domain name (for example, hrgx-sample-dvr).

   If **Private Domain Mode** is not enabled, the **Port** box should show your DVR's device port number (also called the server port number). If the box is blank, type the device port number of the DVR. The default port number is **8000**.
10. In **User Name**, type the user name of your DVR. (The default user name is **admin**.)
11. In **Password**, type the password of your DVR. (The default password is **12345**.)
12. Click **Add** to add your DVR to the devices list.

To edit a device's settings

1. In **Control Panel**, click **Device Management**.
2. In the **Device Management** tab, click the name of the device that you want to edit, and then click **Modify**. Alternatively, double-click the name of the device.
3. In the **Connection Settings** dialog box, edit the desired device settings, and then click **Modify**.

To delete a device

1. In **Control Panel**, click **Device Management**.
2. In the **Device Management** tab, click the name of the device that you want to delete, and then click **Delete**. The device is removed from the devices list.

Importing Cameras

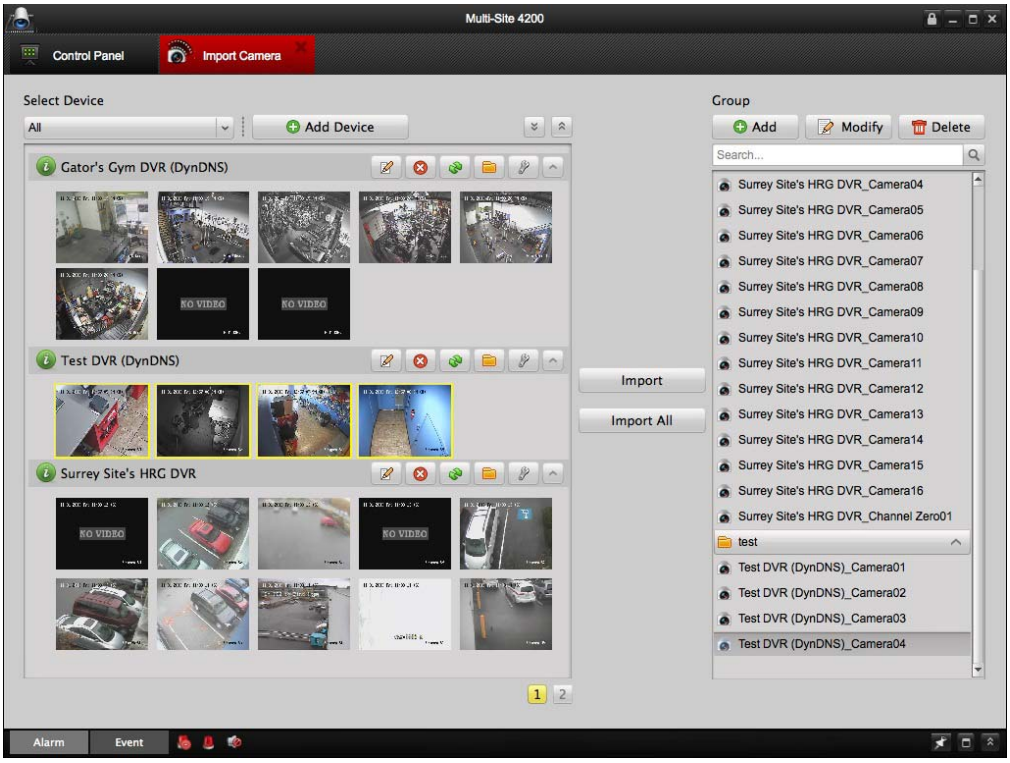
After you have added a device, you must add a group for your device and import cameras (channels) into that group. You can add up to 256 groups and you can import up to 64 cameras into each group.

Note If the **Export to Group** check box was selected when you added your DVR to the devices list, a group was created for your DVR and the cameras connected to the DVR were added to it.

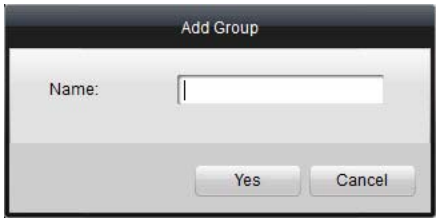
Managing Groups

To add a group

1. In **Control Panel**, click **Import Camera**.



2. Under **Group**, click **Add**.



3. In the **Add Group** dialog box, in **Name**, type a new name, and then click **Yes**.

To edit a group name

1. In **Control Panel**, click **Import Camera**.
2. Under **Group**, click **Modify**.
3. In the **Modify Group** dialog box, in **Name**, type a new name, and then click **Yes**.

To delete a group

1. In **Control Panel**, click **Import Camera**.
2. Under **Group**, click the name of the group that you want to delete, and then click **Delete**.
3. Click **Yes** to confirm that you want to delete the group.

Importing Cameras

To import cameras to a group

1. In **Control Panel**, click **Import Camera**.
2. Under **Group**, click the group that you want to import to.
3. Do one of the following:
   - To import all the cameras to the group, click **Import All**.
   - To import selected cameras to the group, select the camera(s) you want to import, and then click **Import**.

Managing Logs

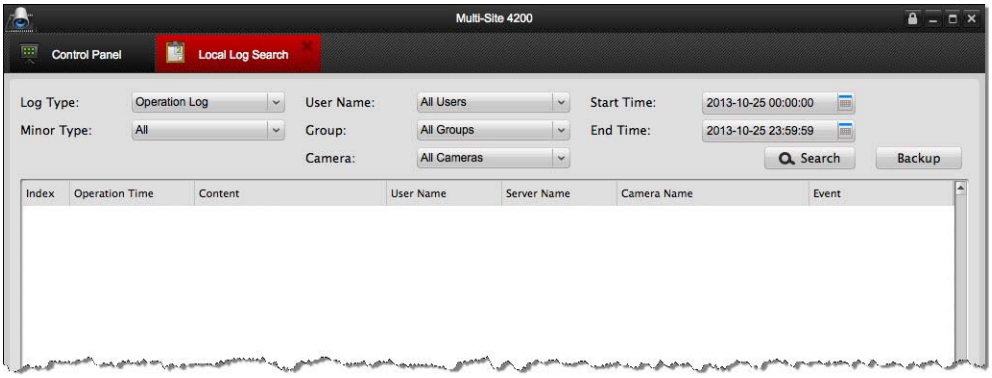
Multi-Site 4200 keeps a record of alarm and user activity for each camera. There are three types of logs that are kept.

- The alarm log contains a record of triggered alarms (for example, motion detection, video signal loss).
- The operation log contains a record of user inputs (for example, starting or stopping live view, remote playback, PTZ control).
- The system log contains a record of when a user logs in and logs out.

Searching Logs

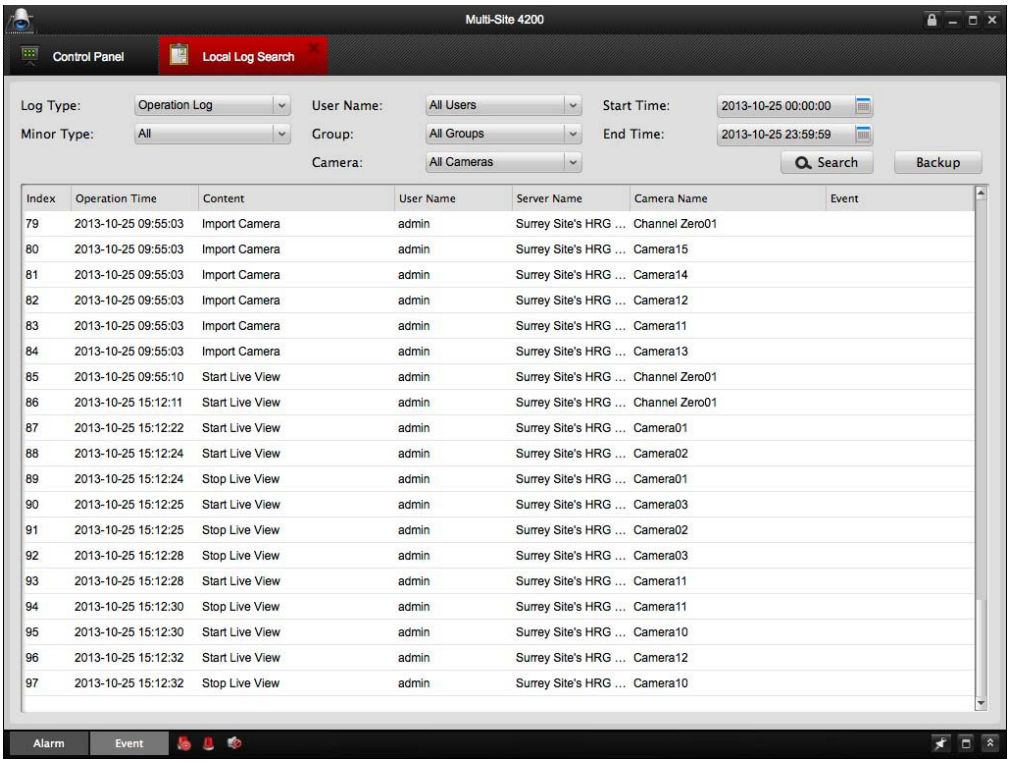
To search a log

1. In **Control Panel**, click **Local Log Search**.



2. In **Log Type**, select the log type you want to search: **Alarm Log**, **Operation Log**, or **System Log**.
3. To narrow your search, choose one or more of the following limiters:
   - **Minor Type**
   - **User Name**
   - **Group**
   - **Camera**
4. Specify the date and time you want to search.
   a. In **Start Time**, click the calendar icon to open the calendar, specify the desired start date and time, and then click **Yes**.
   b. In **End Time**, click the calendar icon to open the calendar, specify the desired end date and time, and then click **Yes**.

5. Click **Search**. All logs matching your search criteria are displayed.

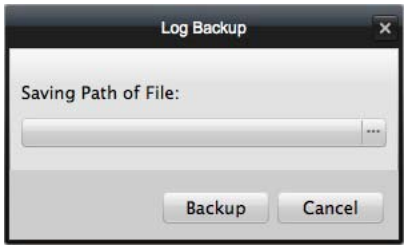

Multi-Site 4200
Control Panel
Local Log Search
Log Type: Operation Log
Minor Type: All
User Name: All Users
Group: All Groups
Camera: All Cameras
Start Time: 2013-10-25 00:00:00
End Time: 2013-10-25 23:59:59
Search
Backup
Index | Operation Time | Content | User Name | Server Name | Camera Name | Event
79 | 2013-10-25 09:55:03 | Import Camera | admin | Surrey Site's HRG ... | Channel Zero01
80 | 2013-10-25 09:55:03 | Import Camera | admin | Surrey Site's HRG ... | Camera15
81 | 2013-10-25 09:55:03 | Import Camera | admin | Surrey Site's HRG ... | Camera14
82 | 2013-10-25 09:55:03 | Import Camera | admin | Surrey Site's HRG ... | Camera12
83 | 2013-10-25 09:55:03 | Import Camera | admin | Surrey Site's HRG ... | Camera11
84 | 2013-10-25 09:55:03 | Import Camera | admin | Surrey Site's HRG ... | Camera13
85 | 2013-10-25 09:55:10 | Start Live View | admin | Surrey Site's HRG ... | Channel Zero01
86 | 2013-10-25 15:12:11 | Start Live View | admin | Surrey Site's HRG ... | Channel Zero01
87 | 2013-10-25 15:12:22 | Start Live View | admin | Surrey Site's HRG ... | Camera01
88 | 2013-10-25 15:12:24 | Start Live View | admin | Surrey Site's HRG ... | Camera02
89 | 2013-10-25 15:12:24 | Stop Live View | admin | Surrey Site's HRG ... | Camera01
90 | 2013-10-25 15:12:25 | Start Live View | admin | Surrey Site's HRG ... | Camera03
91 | 2013-10-25 15:12:25 | Stop Live View | admin | Surrey Site's HRG ... | Camera02
92 | 2013-10-25 15:12:28 | Stop Live View | admin | Surrey Site's HRG ... | Camera03
93 | 2013-10-25 15:12:28 | Start Live View | admin | Surrey Site's HRG ... | Camera11
94 | 2013-10-25 15:12:30 | Stop Live View | admin | Surrey Site's HRG ... | Camera11
95 | 2013-10-25 15:12:30 | Start Live View | admin | Surrey Site's HRG ... | Camera10
96 | 2013-10-25 15:12:32 | Start Live View | admin | Surrey Site's HRG ... | Camera12
97 | 2013-10-25 15:12:32 | Stop Live View | admin | Surrey Site's HRG ... | Camera10
Alarm
Event

Saving Logs

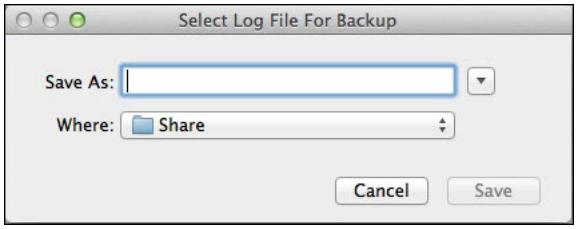
You can save logs that you locate in a search to your local computer.

To save a log

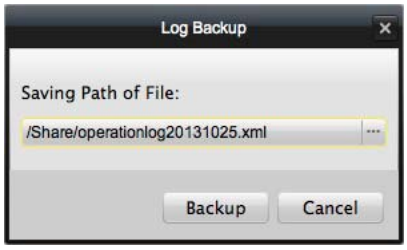
1. In the **Local Log Search** tab, click **Backup**. The **Log Backup** dialog box opens.



2. Click the browse button ···. The **Select Log File For Backup** dialog box opens.



3. In **Save As**, type a name for the log file, and then click **Save**. The **Log Backup** dialog box opens, displaying the save path of the log file.



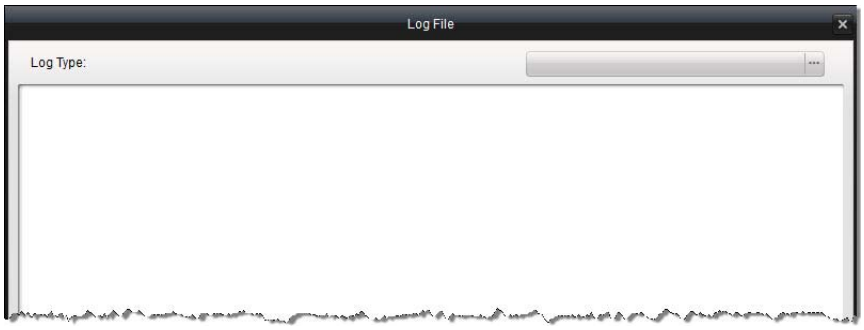
4. Click **Backup** to save the log.

Opening Saved Logs

You can open log files that have been saved to your local computer.

To open a saved log

1. On the **File** menu, click **Open Log File**. The **Log File** window opens.



2. Click the browse button ··· to browse for the log file on your computer.
3. When you have located the log file, click the file to select it, and then click **Open**.

Managing Alarms

Viewing Alarm and Event Information

Alarm and **Event** buttons are displayed in the lower left corner of the screen.

To show the alarm information panel, click **Alarm**.

To show the event information panel, click **Event**.

To hide the alarm/event information panel, click the **Hide** button . To auto-hide the panel, click the **Auto Hide** button .

To keep the alarm/event information panel open, click the **Lock** button .

To maximize the alarm/event information panel and display it as a new tab (**Alarm Event**), click the **Maximize** button .

At the bottom of the window there are five alarm/event categories listed: **Motion Detection**, **Video Exception**, **Alarm Input**, **Device Exceptional**, and **Other Alarm**. Select the check box next to each alarm/event that you want to display.

To remove an alarm/event from the list, right-click the alarm/event that you want to remove, and then click **Clear**.

Linking Alarm Logs

Each alarm log shows the related alarm information, including the time the alarm occurred, the source, and the type of alarm. You can click or to preview the alarm or send it by email.

- **Live View** ( ): View the live video of the selected alarm source camera.
- **Send Email** ( ): Send the alarm information by email.

Note Configure email settings in **Control Panel** ➤ **System Configuration** ➤ **Email** before using the Send Email function. See *Configuring Email Settings* on page 87.

Blocking Alarms from a Device

You can block alarm information from a device if necessary. This can be useful when you are managing a large number of devices from a single Multi-Site 4200 remote client.

To block an alarm from a device

1. On the **Tools** menu, click **Device Arming Control**.
2. In the **Device Arming Control** dialog box, in the **Encoding Device** tab, clear the check box next to the device to block the alarm information.
3. Click **Yes** to save your settings.

Note This function only blocks the selected alarm information from being received by this Multi-Site 4200 client. The alarm information can still be received by other clients.

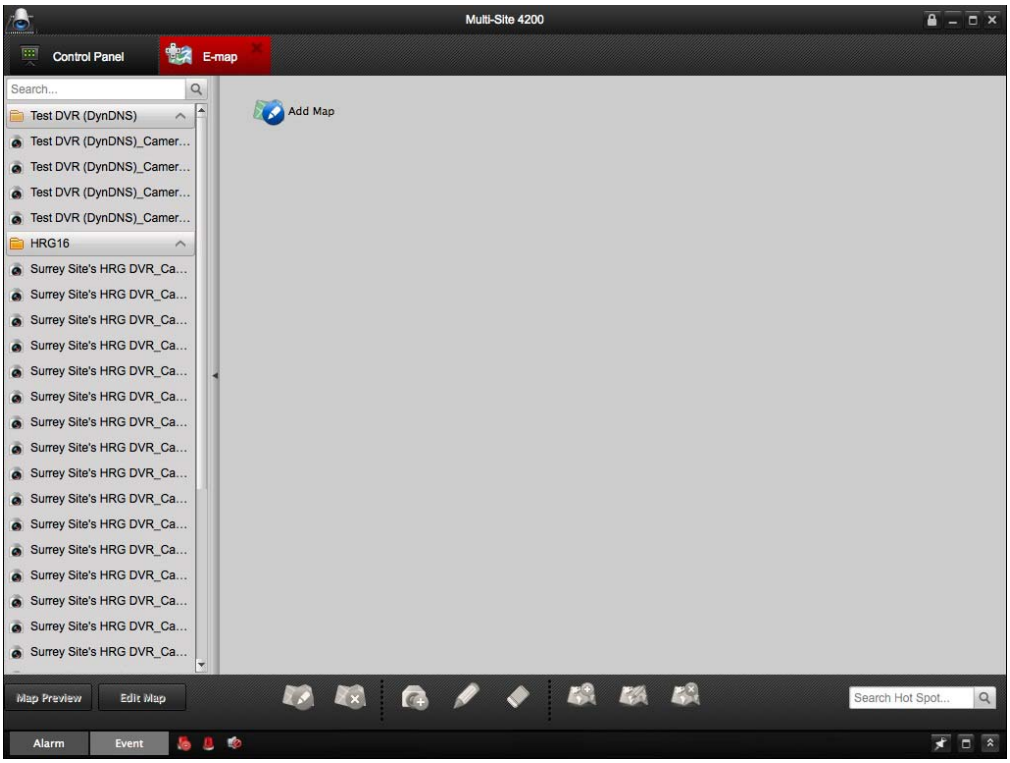
Managing E-Maps

You can associate a group with an e-map to visualize the location and distribution of the cameras. This feature is especially useful when an alarm is triggered.

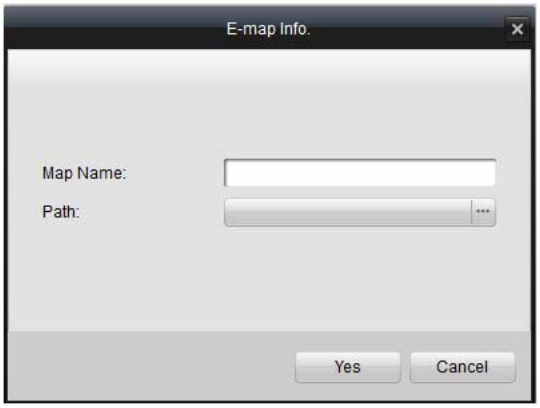
You must add an e-map to start using the e-map function. You can add one e-map for each camera group.

To add an e-map

1. In **Control Panel**, click **E-map**.

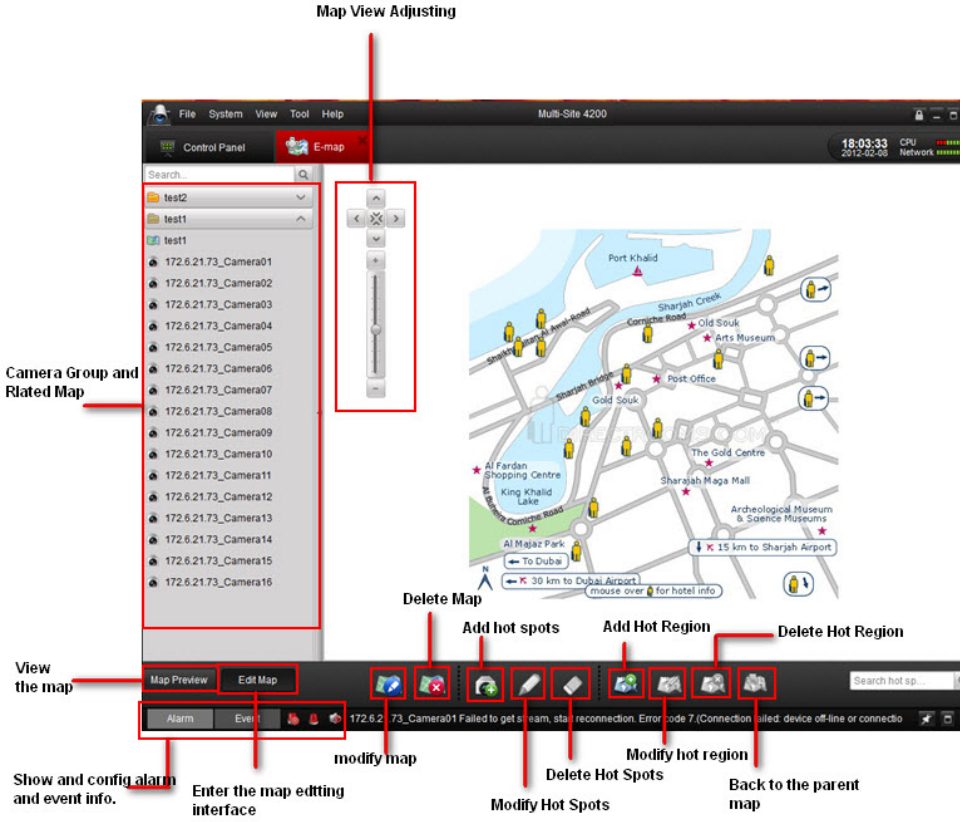


2. In the **E-map** tab, in the left pane, select a camera group, and then click **Add Map**.



3. In the **E-map Info** dialog box, click the browse button ... and browse to the directory where the map is stored. The picture format of the map should be .png, .jpg or .bmp.
4. Click the map file, and then click **Open**.
5. In the **E-map Info** dialog box, in **Map Name**, type a name for the map.

6. Click **Yes** to save your settings. The e-map is displayed in the **E-map** tab and the name of the map appears in the group list.



Managing Hot Spots

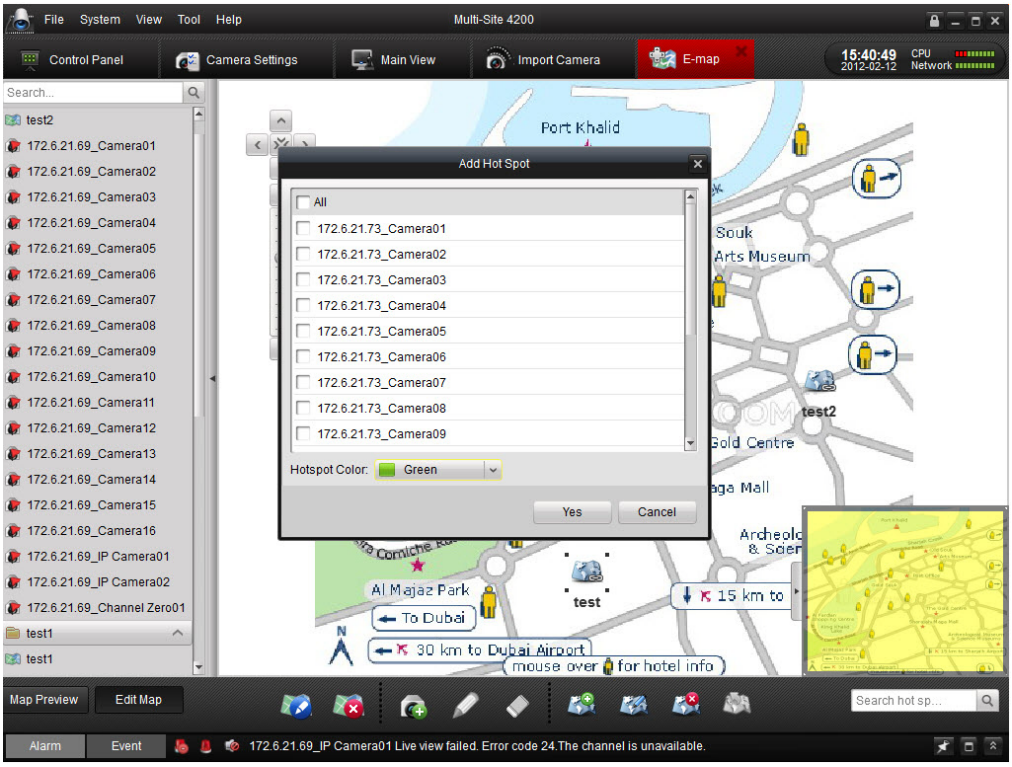
You can add a camera label to the map to show the location of a camera. The label is called a hot spot. After the hot spots are added, the cameras are linked to the map.

In the map preview window, you can see the live view of the camera. If an alarm triggered, an alarm icon appears next to the camera label.

To add a hot spot

1. In **Control Panel**, click **E-map**.
2. On the toolbar at the bottom of the **E-map** tab, click the **Add Hot Spot** button .
3. In the **Add Hot Spot** dialog box, select the check box(es) next to the camera(s) you want to add as hot spots, or select the **All** check box to add all cameras.

4. Next to **Hotspot Color**, select a color from the drop-down list.



5. Click **Yes** to save your settings. After being added as a hot spot, the camera icon in the devices list changes to .
6. Drag the camera hot spot icon to the approximate location of that camera on the map.

To edit a hot spot

1. Do one of the following:
   - Double-click the hot spot icon on the map.
   - Right-click the hot spot, and then click **Modify**.
   - Select a hot spot on the map, and then click the **Modify Hot Spot** button on the toolbar.
2. In the **Modify Hot Spot** dialog box, edit the name and/or color of the hot spot, and then click **Yes**.

To delete a hot spot

Do one of the following:

- Right-click the hot spot, and then click **Delete**.
- Select the hot spot icon on the map, and then click the **Delete Hot Spot** button on the toolbar.

Previewing the Map

After you have finished setting up hot spots, click **Map Preview** on the toolbar to view the e-map. The map shows the location of the linked cameras as hot spots.

When you double-click a hot spot, a video window opens displaying live video from the camera.

If an alarm is reported, an alarm icon appears on the map to alert you.

To view alarm details, double-click the alarm icon.

To clear the alarm, click the alarm icon on the toolbar.

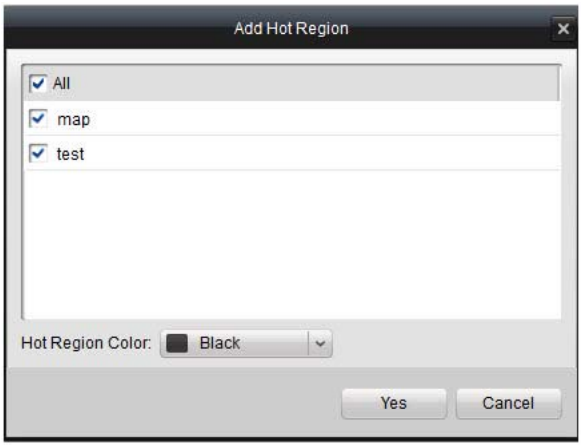
Managing Hot Regions

You can link a map to another map as a hot region. The added map is called a *child map* and the map being added to is called the *parent map*.

Note A map can be added as a hot region only once.

To add a hot region

1. In **Control Panel**, click **E-map**.
2. On the toolbar at the bottom of the **E-map** tab, click the **Add Hot Region** button .



3. In the **Add Hot Region** dialog box, select the map(s) you want to add as a hot region, or select the **All** check box to add all maps.
4. Next to **Hot Region Color**, select a color from the drop-down list, and then click **Yes**.
5. Drag the map icon to the desired location for the hot region on the e-map.

To edit a hot region

1. Do one of the following:
   - Double-click the hot region icon on the map.
   - Right-click the hot region, and then click **Modify**.
   - Select a hot spot on the map, and then click the **Modify Hot Region** button on the toolbar.
2. In the **Modify Hot Region** dialog box, edit the name and/or color of the hot spot, and then click **Yes**.

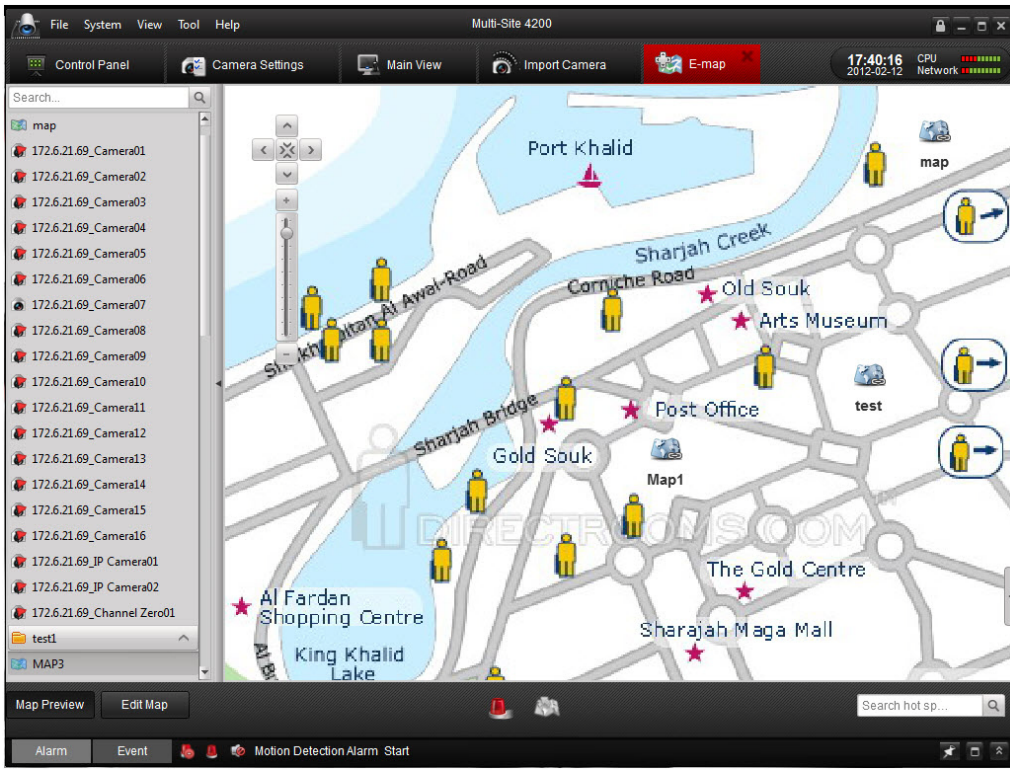
To delete a hot region

Do one of the following:

- Right-click the hot region, and then click **Delete**.
- Select the hot region icon on the map, and then click the **Delete Hot Region** button on the toolbar.

Previewing the Map

After you have finished setting up hot regions, click **Map Preview** on the toolbar to view the e-map. The map shows the location of the linked maps as hot regions.



When you double-click a hot region, the child map opens in the **E-map** tab. Click to go back to the parent map.

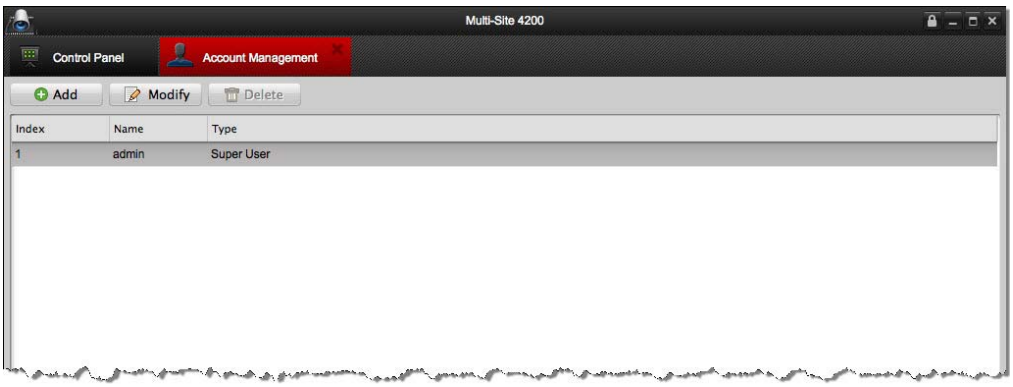
Managing User Accounts

You can create multiple user accounts in Multi-Site 4200 and you can specify user privileges for each account you create.

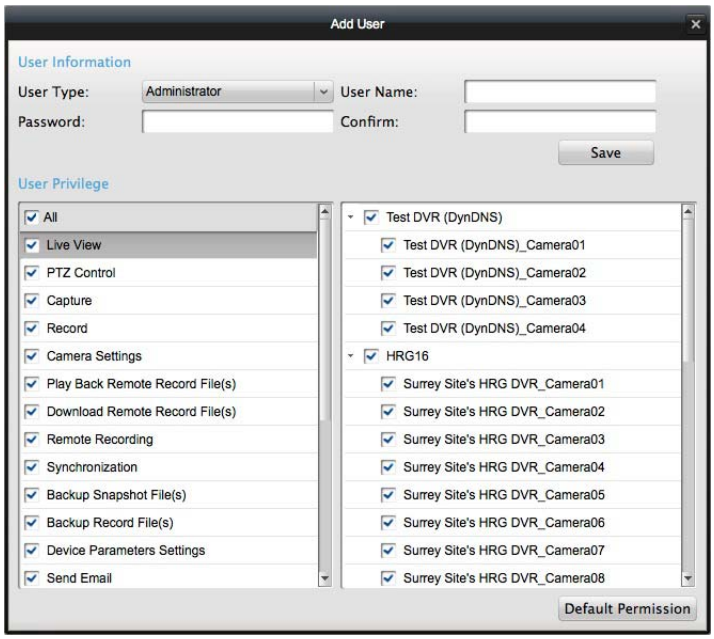
To remotely configure user accounts and permissions for connected devices, see *Configuring Device User Settings* on page 61.

To create a new user account

1. In **Control Panel**, click **Account Management**.



2. Click **Add**.



3. In the **Add User** dialog box, in **User Type**, select **Administrator** or **Operator** from the drop-down list.
4. In **User Name** and **Password**, type the account user name and password. Re-type the password in the **Confirm** box.
5. Select the user privileges for the account from the list. The Administrator user has all user privileges by default.

Note Not all of the user privileges available to Administrator users are available to Operator users. For example, only Administrator users can exit Multi-Site 4200.

6. Click **Save** to save your settings. The new account appears in the accounts list in the **Account Management** tab. All of the user privileges associated with the account take effect immediately.

To edit a user account

1. In **Control Panel**, click **Account Management**, click the account you want to edit, and then click **Modify**.
2. In the **Modify User** dialog box, select or clear the check boxes to add or remove user privileges, and then click **Save**. All of the user privileges associated with the account take effect immediately.

To delete a user account

In **Control Panel**, click **Account Management**, click the account you want to delete, and then click **Delete**.

4

Configuration

This chapter contains the following sections:

- *Remotely Configuring Devices* on page 55
- *Remotely Configuring Cameras* on page 71
- *Configuring System Settings* on page 84

Remotely Configuring Devices

You can remotely configure your DVR in the **Device Management** tab.

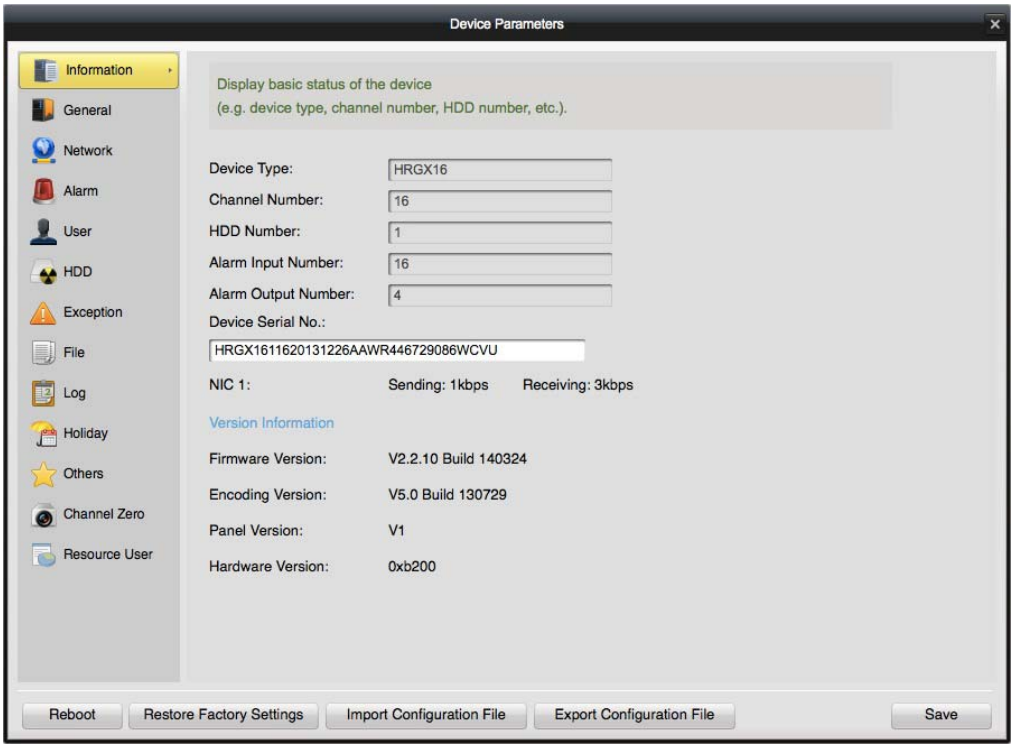
To open the Device Management tab

1. In **Control Panel**, click **Device Management**.

2. Select the device you want to configure, and then click **Remote Configuration** to enter the **Device Parameters** window.

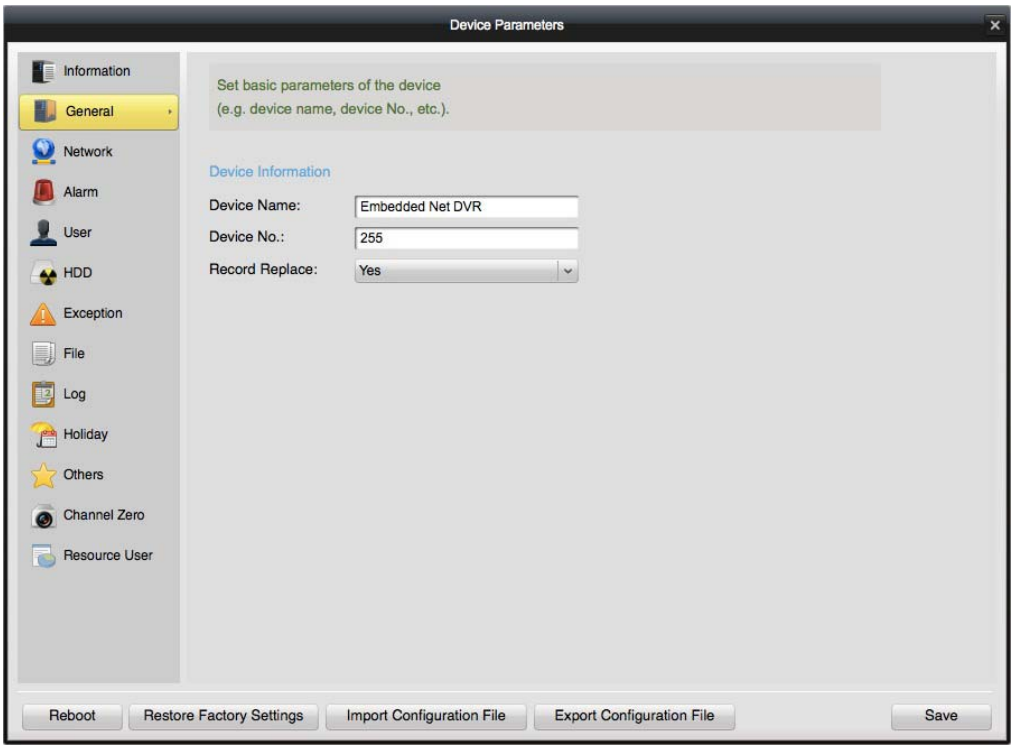
Viewing Basic Device Information

On the **Information** page you can check basic device information for your DVR, including the device type, number of channels, number of hard disk drives, number of alarm inputs and outputs, device serial number, and version information.



Configuring General Device Settings

On the **General** page you can set the basic parameters of the device.



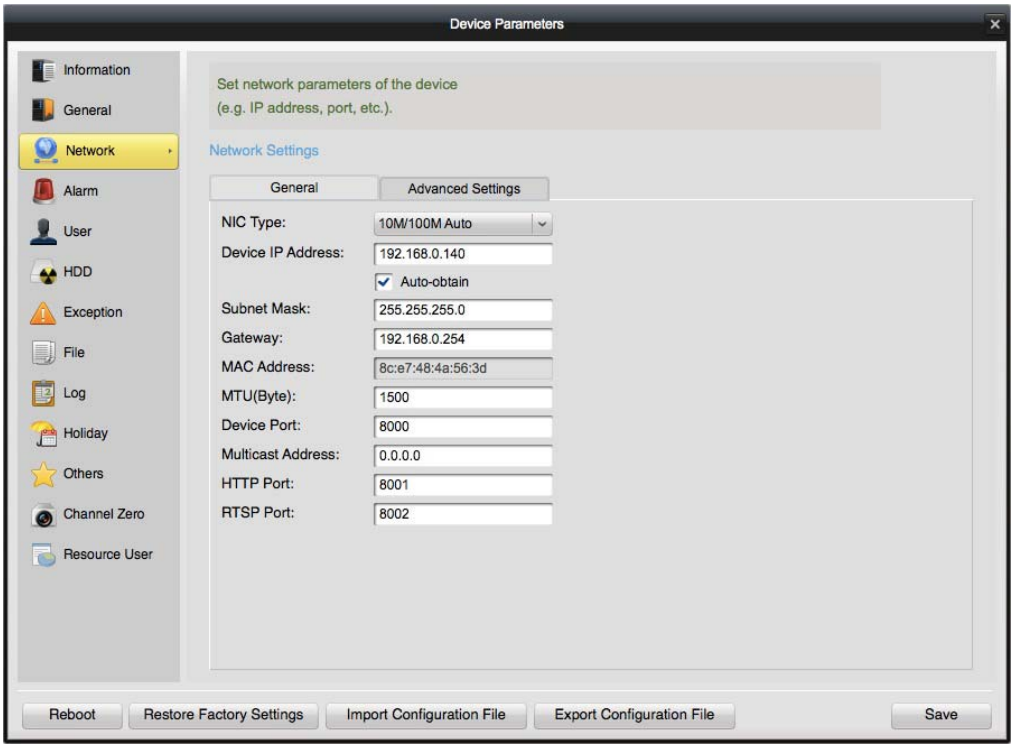
The following table describes the fields on the **General** page.

Field	Description
Device Name	Enter a name for the device.
Device No.	Enter a device number for remote control, if applicable.
Record Replace	Select **Yes** to overwrite the DVR hard drive when the hard drive is full.

Note Always click **Save** before exiting the **Device Parameters** window.

Configuring General Network Settings

On the **Network** page you can configure network parameters of the device.



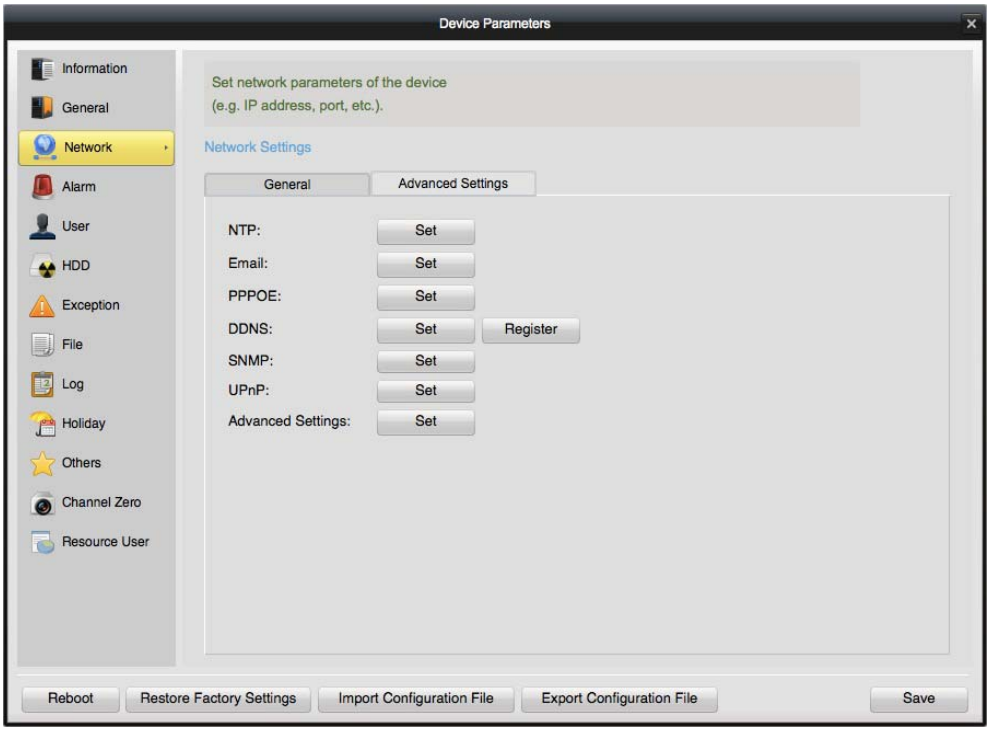
The following table describes the fields in the **General** tab on the **Network** page.

Field	Description
NIC Type	Select the NIC type of the device.
Device IP Address	Displays the IP address of the device.
Subnet Mask	Displays the subnet mask IP for the device.
Gateway	Displays the default gateway IP for the device.
MAC Address	Displays the MAC address of the device. This is a read-only field.
MTU(Byte)	Enter the maximum transport unit. The default value is 1500.
Device Port	Enter the network port of the device. The default port number is 8000.
Multicast Address	*Not supported at this time.*
HTTP Port	Enter the web service port. The default port number is 8001.
RTSP Port	Enter the RTSP port. The default port number is 8002.

Note Always click **Save** before exiting the **Device Parameters** window.

Configuring Advanced Network Settings

Click the **Advanced** tab on the **Network** page to configure advanced network parameters for the device.



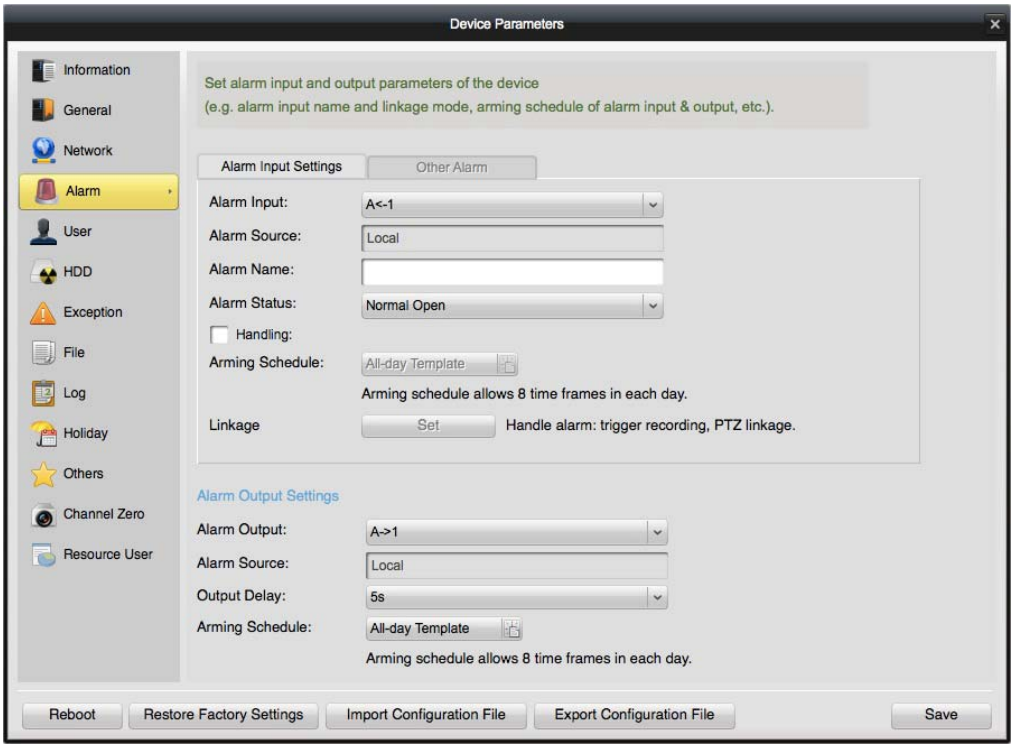
The following table describes the fields in the **Advanced** tab on the **Network** page.

Field	Description
NTP	Click **Set** to enable and configure Network Time Protocol time synchronization.
Email	Click **Set** to configure email account settings for the device.
PPPOE	Click **Set** to enable and configure Point-to-Point Protocol over Ethernet.
DDNS	Click **Set** to enable and configure Dynamic DNS. **Note** After completing the DDNS setup, always click **Register** *after* clicking **Save**.
SNMP	Click **Set** to enable and configure Simple Network Management Protocol.
UPnP	Click **Set** to enable and configure Universal Plug and Play networking protocols.
Advanced Settings	Click **Set** to configure DNS server addresses and alarm host IPs and ports.

Note Always click **Save** before exiting the **Device Parameters** window.

Configuring Device Alarm Settings

On the **Alarm** page you can configure alarm input/output and linkage actions for the device.



The following table describes the fields on the **Alarm** page.

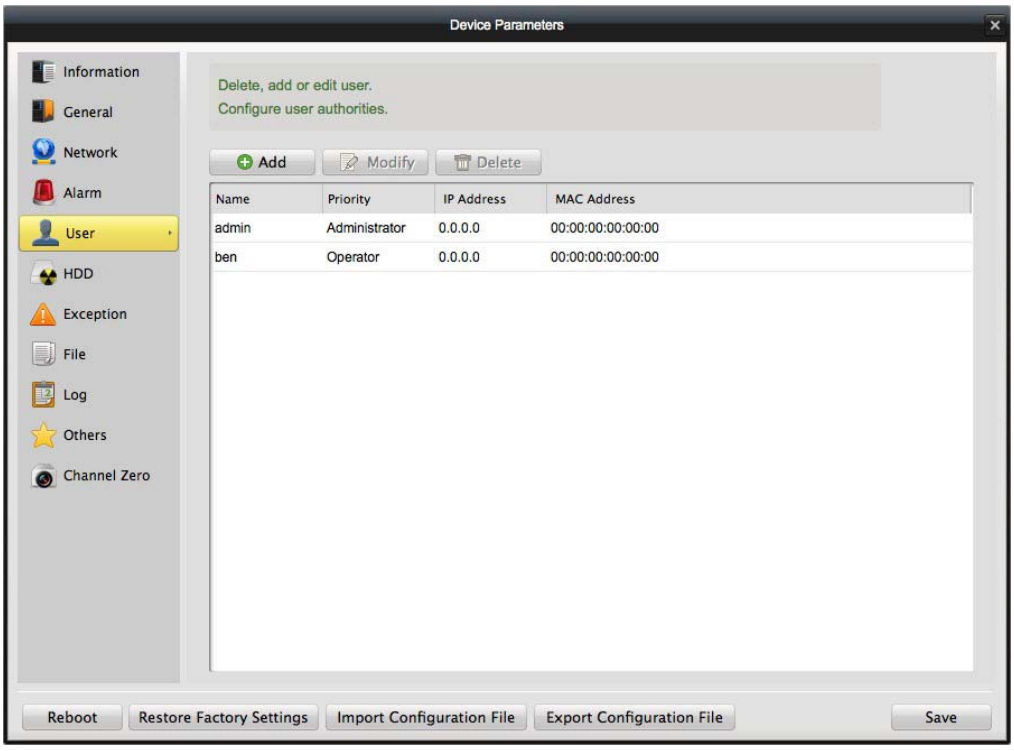
Field	Description
Alarm Input Settings	
Alarm Input	Select an alarm input channel for configuration.
Alarm Source	IP address of the digital alarm input. **Local** is the hard-wired alarm input configuration on the device. This is a read-only field.
Alarm Name	Enter a name for the alarm input channel.
Alarm Status	Set the alarm to **Normal Open** or **Normal Closed**.
Handling	Select this check box to activate alarm-triggered actions.
Arming Schedule	Set the time schedule to handle the alarm-triggered actions. The schedule template can be configured in **Camera Settings > Schedule.** See *Configuring the Recording Schedule* on page 74 for more detailed information.
Linkage	Check the alarm actions which are required to be activated when the alarm input triggered, and select corresponding channel number if required.
Alarm Output Settings	
Alarm Output	Select an alarm output channel for configuration.

Field	Description
Alarm Source	IP address of the digital alarm output. **Local** is the hard-wired alarm input configuration on the device. This is a read-only field.
Output Delay	Select the delay duration for the alarm output.
Arming Schedule	Set the time schedule to handle the alarm-triggered actions. The schedule template can be configured in **Camera Settings > Schedule**. See *Configuring the Recording Schedule* on page 74 for more detailed information.

Note Always click **Save** before exiting the **Device Parameters** window.

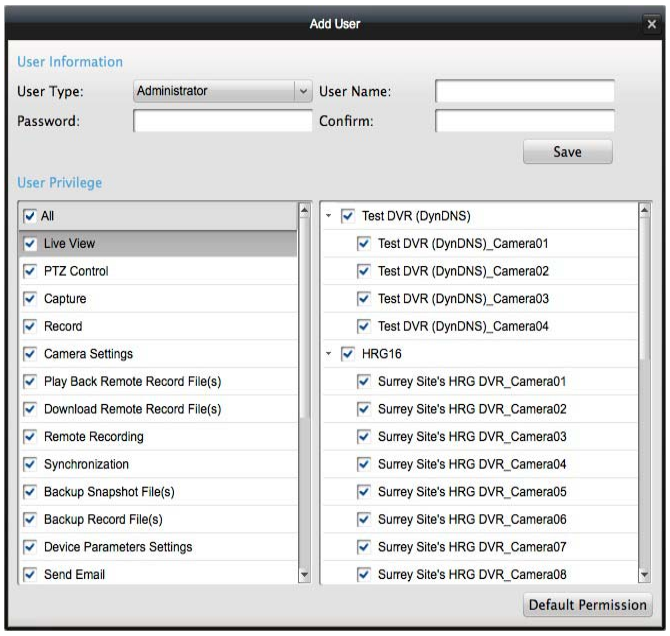
Configuring Device User Settings

On the **User** page you can create or delete user accounts and configure permissions for each connected device.



To create a new user account

1. Click **Add**. The **User** dialog box opens.

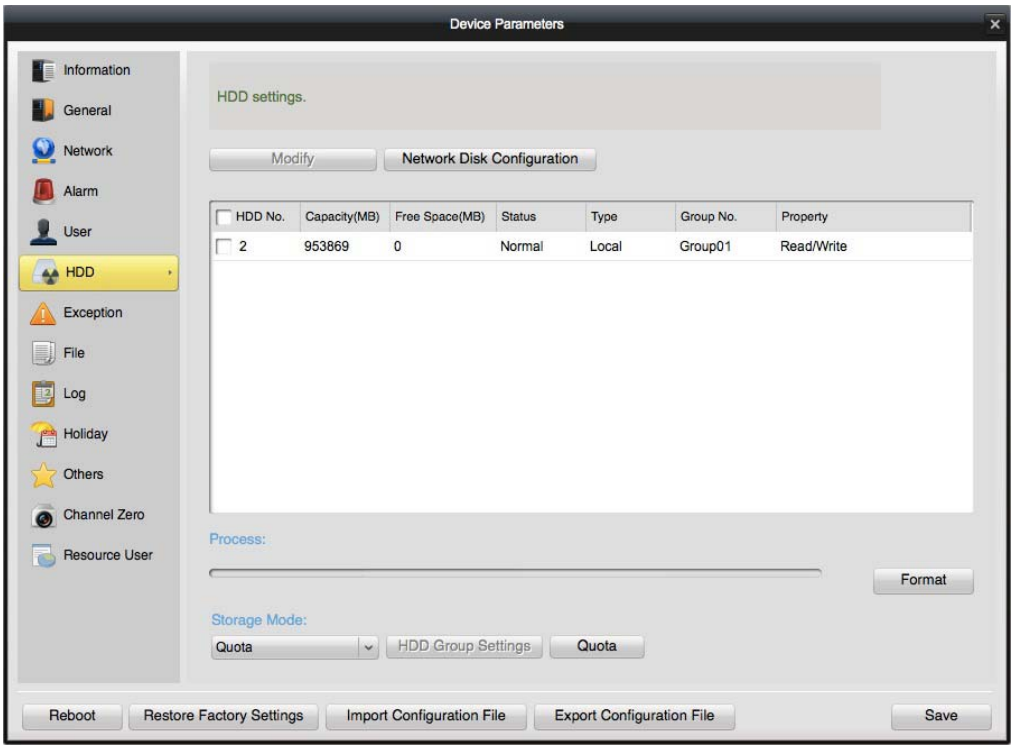


2. In the **User Information** area, in **User Type**, select **Guest** or **Operator**.
3. In **User Name** and **Password**, type a user name and password. Re-type the password in the **Confirm** box.
4. Optionally, do one or both of the following:
   - In **IP Address**, type the IP address of the user's computer.
   - In **MAC Address**, type the MAC address of the user's computer.
5. In the **User Privilege** area, select the user privilege(s) you want to assign to the new account.
6. Click **Yes**. The new user account appears in the user list.

Note Always click **Save** before exiting the **Device Parameters** window.

Configuring Device Hard Disk Drive Settings

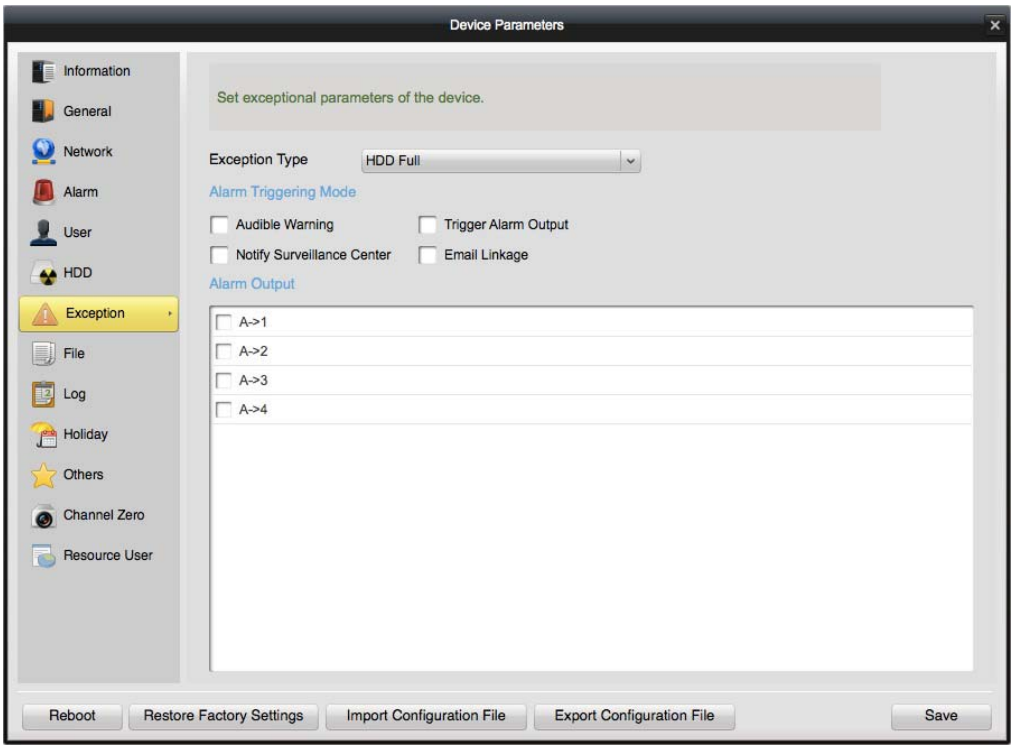
On the **HDD** page you can configure network disk and HDD group settings. You can also modify HDD information or format the HDD(s).



Note Always click **Save** before exiting the **Device Parameters** window.

Configuring Device Exceptions

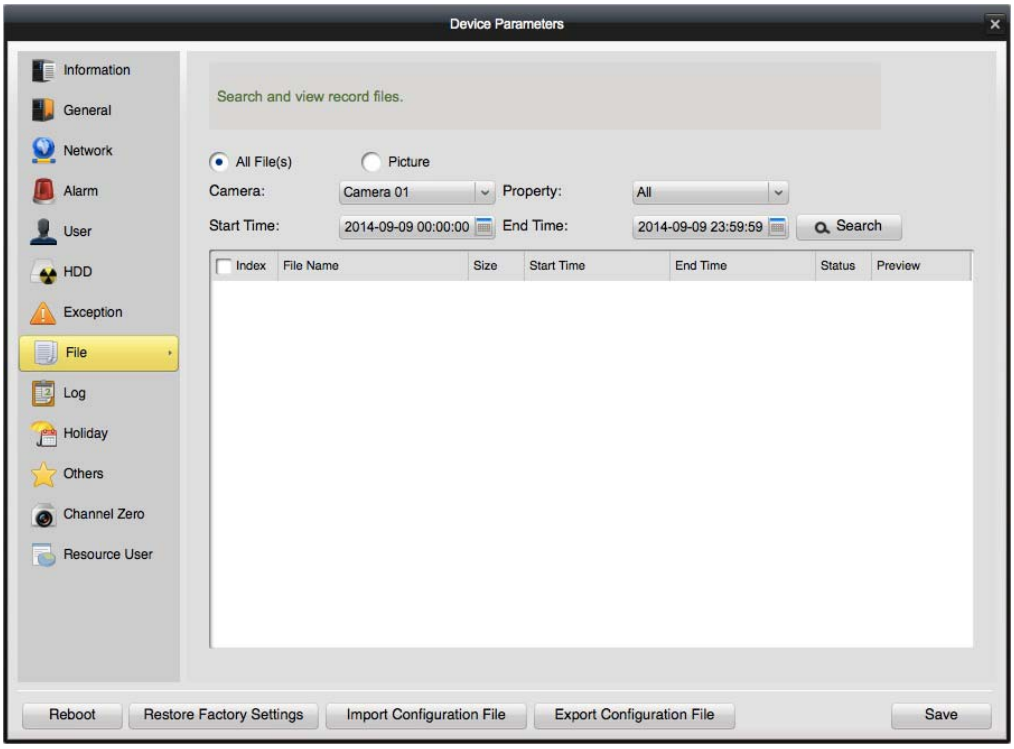
On the **Exception** page you can configure alarm actions and set the alarm output(s).



Note Always click **Save** before exiting the **Device Parameters** window.

Searching and Viewing Recorded Video Stored on Device

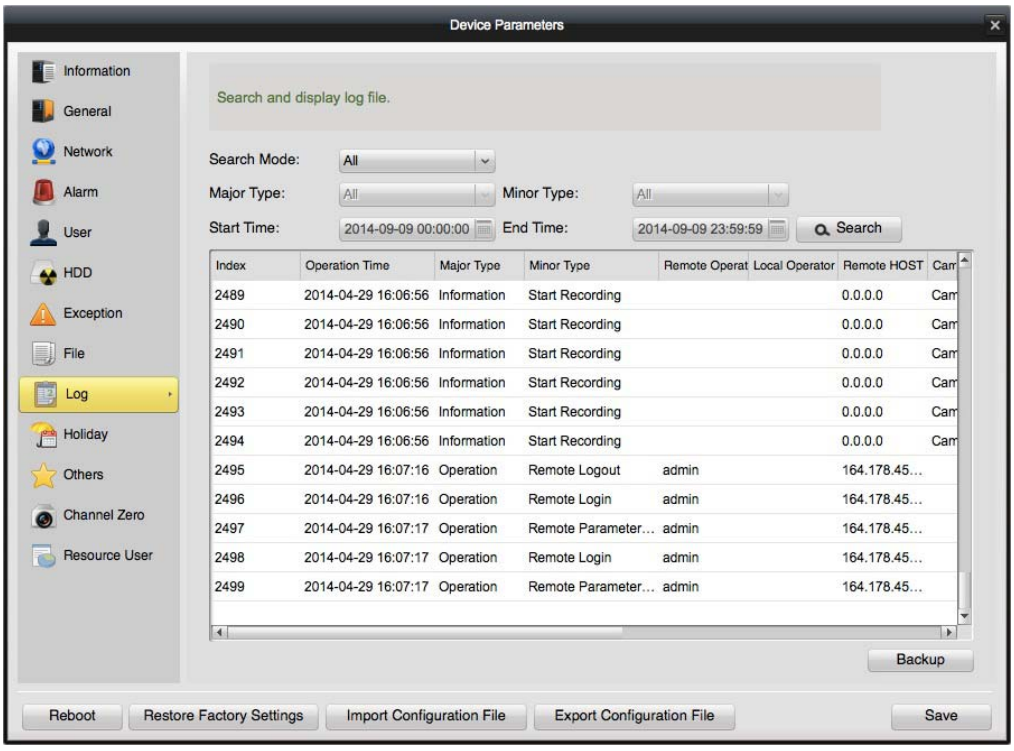
On the **File** page you can search for and view recorded video files stored on the device.



Note Always click **Save** before exiting the **Device Parameters** window.

Searching and Displaying Log Files Stored on Device

On the **Log** page you can search for and view log files stored on the device.


Device Parameters
Information
General
Network
Alarm
User
HDD
Exception
File
Log
Holiday
Others
Channel Zero
Resource User
Search and display log file.
Search Mode: All
Major Type: All
Minor Type: All
Start Time: 2014-09-09 00:00:00
End Time: 2014-09-09 23:59:59
Search
Index | Operation Time | Major Type | Minor Type | Remote Operat | Local Operator | Remote HOST | Cam
2489 | 2014-04-29 16:06:56 | Information | Start Recording | 0.0.0.0 | Cam
2490 | 2014-04-29 16:06:56 | Information | Start Recording | 0.0.0.0 | Cam
2491 | 2014-04-29 16:06:56 | Information | Start Recording | 0.0.0.0 | Cam
2492 | 2014-04-29 16:06:56 | Information | Start Recording | 0.0.0.0 | Cam
2493 | 2014-04-29 16:06:56 | Information | Start Recording | 0.0.0.0 | Cam
2494 | 2014-04-29 16:06:56 | Information | Start Recording | 0.0.0.0 | Cam
2495 | 2014-04-29 16:07:16 | Operation | Remote Logout | admin | 164.178.45...
2496 | 2014-04-29 16:07:16 | Operation | Remote Login | admin | 164.178.45...
2497 | 2014-04-29 16:07:17 | Operation | Remote Parameter... | admin | 164.178.45...
2498 | 2014-04-29 16:07:17 | Operation | Remote Login | admin | 164.178.45...
2499 | 2014-04-29 16:07:17 | Operation | Remote Parameter... | admin | 164.178.45...
Backup
Reboot
Restore Factory Settings
Import Configuration File
Export Configuration File
Save

To search for log files

1. In **Search Mode**, select **All**, **By Type**, **By Time**, or **By Type & Time**.
2. If searching by type, do the following:
   a. In **Major Type**, select **Alarm**, **Exception**, **Operation**, or **Information**.
   b. In **Minor Type** box, select a subcategory, and then click **Search**.
3. If searching by time, in **Start Time** and **End Time**, specify the date and time you want to search, and then click **Search**.

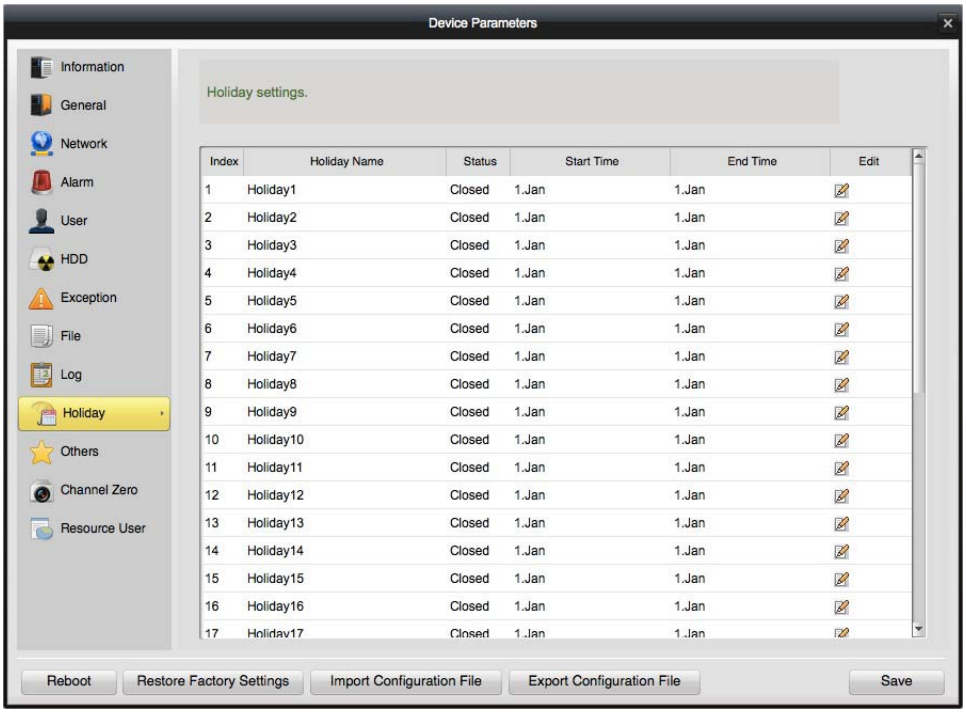
To back up log files remotely

If the device supports remote backup, select the files you want to back up, and then click **Backup**.

Note Always click **Save** before exiting the **Device Parameters** window.

Configuring Holiday Settings

On the **Holiday** page you can configure holiday recording settings for the device.



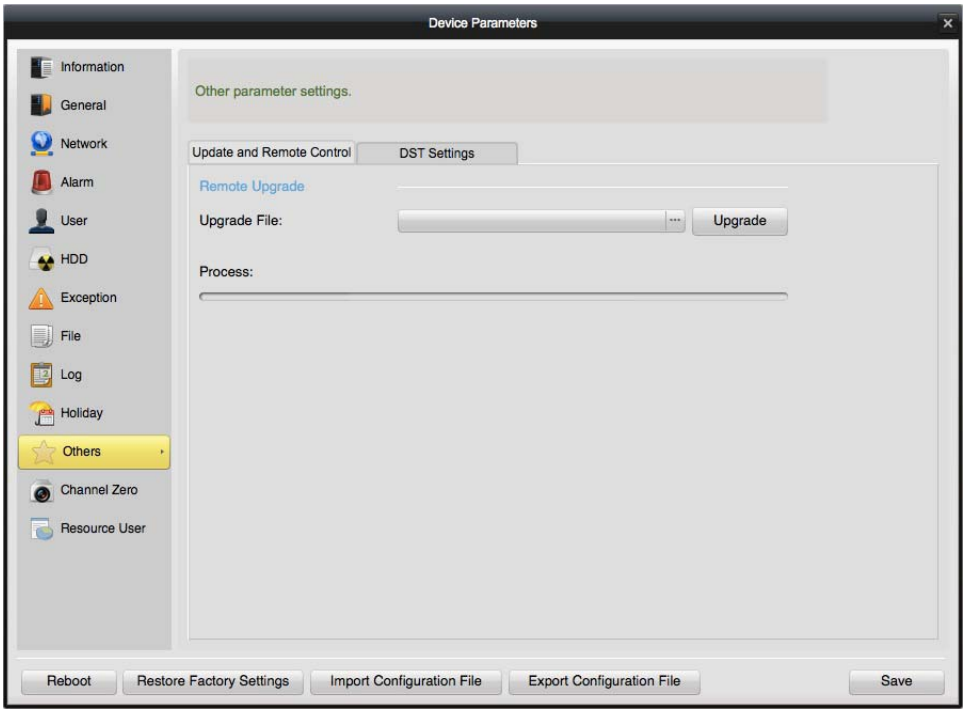
To configure holiday recording settings

1. Select the holiday you want to configure from the list, and then click the **Edit** button .
2. In the **Edit Holiday** dialog box, configure the following settings:
   - **Enable Holiday** Select/clear the check box to enable/disable this setting.
   - **Holiday Name** Enter the name of the holiday.
   - **Mode** Select **By Date**, **By Week**, or **By Month**.
   - **Start Time** Select the start date for the setting. Format varies by mode.
   - **End Time** Select the end date for the setting. Format varies by mode.
3. Click **Yes** to confirm your settings.

Note Always click **Save** before exiting the **Device Parameters** window.

Configuring Remote Upgrades and Daylight Saving Time

On the **Others** page you can remotely upgrade the device firmware and configure the Daylight Saving Time (DST) settings of the device.



To remotely upgrade the device firmware

1. Click the **Update and Remote Control** tab.
2. In the **Remote Upgrade** area, next to **Upgrade File**, click ··· to browse to the location of the firmware upgrade file on your local computer.
3. Select the firmware upgrade file, and then click **Open**.
4. Click **Upgrade** to start the firmware upgrade on your device. You must reboot your device to complete the upgrade.

To configure the device's Daylight Saving Time settings

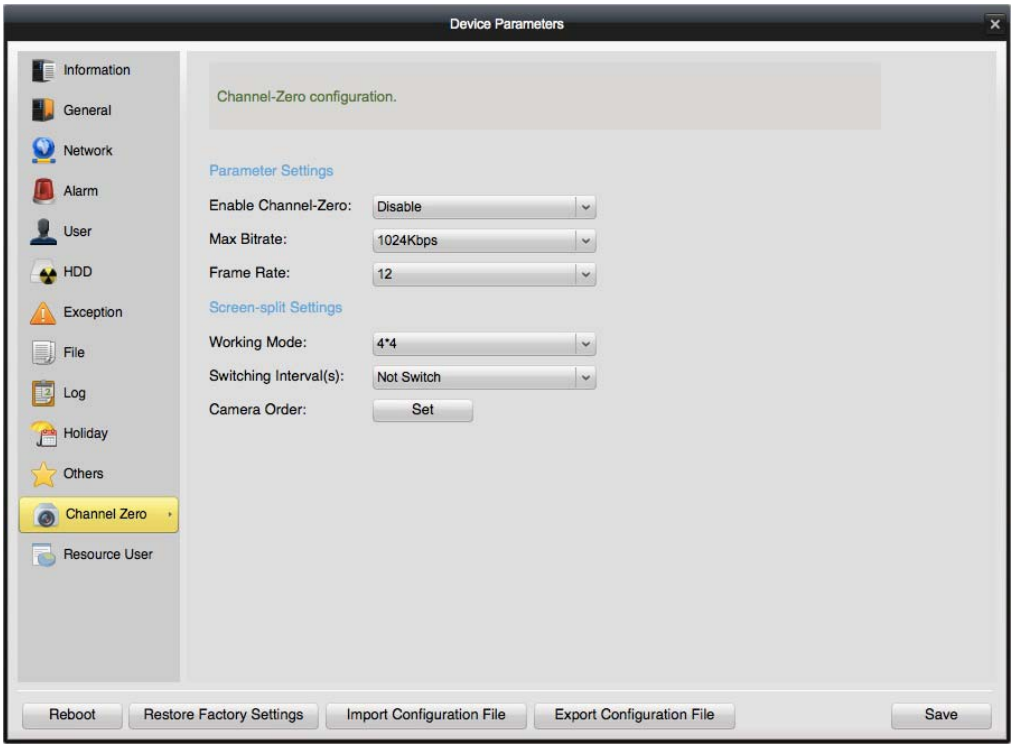
1. Click the **DST Settings** tab.
2. Select the **Enable DST** check box to enable DST or clear the check box to disable DST.
3. If DST is enabled, specify the **Start Time** and **End Time**.
4. In **DST Bias**, select one of the following times: **30m**, **60m**, **90m**, or **120m**.
5. Click **Save** to save your settings.

Note Always click **Save** before exiting the **Device Parameters** window.

Configuring Device Channel Zero Settings

On the **Channel Zero** page you can configure the Channel Zero and screen-split settings.

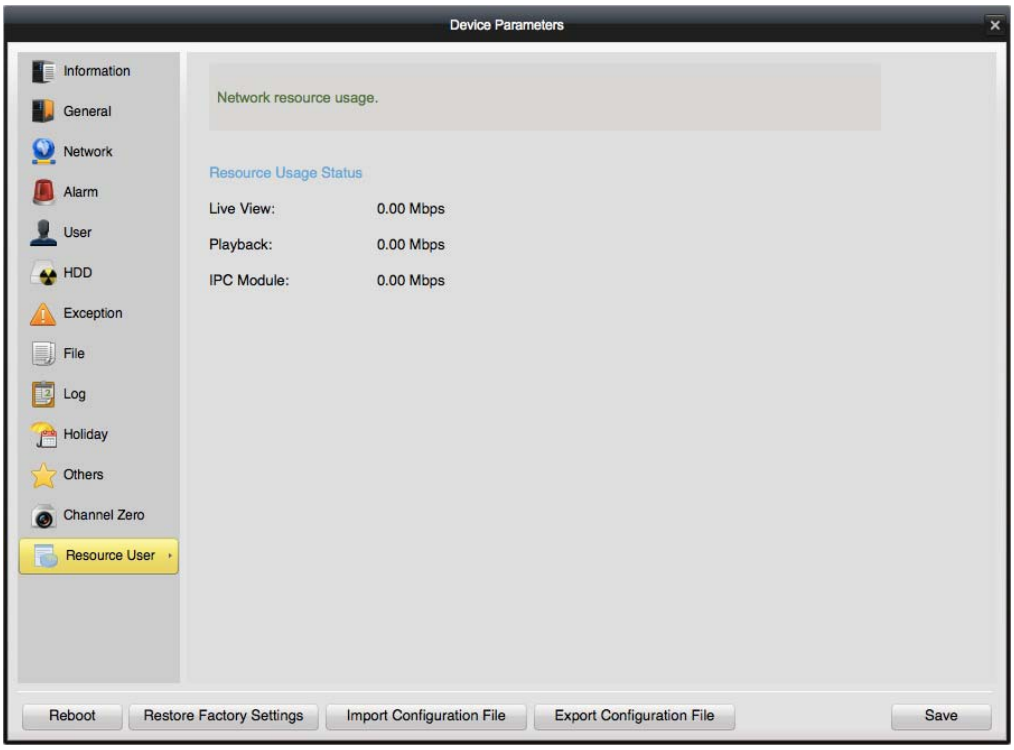
When enabled, the channel zero feature lets you stream multiple cameras from your DVR to a single video window in Multi-Site 4200. This is useful when monitoring multiple cameras in a low-bandwidth situation.



Note Always click **Save** before exiting the **Device Parameters** window.

Viewing Network Resource Usage

On the **Resource User** page you can view network usage data for Live View, Playback, and the IPC Module.



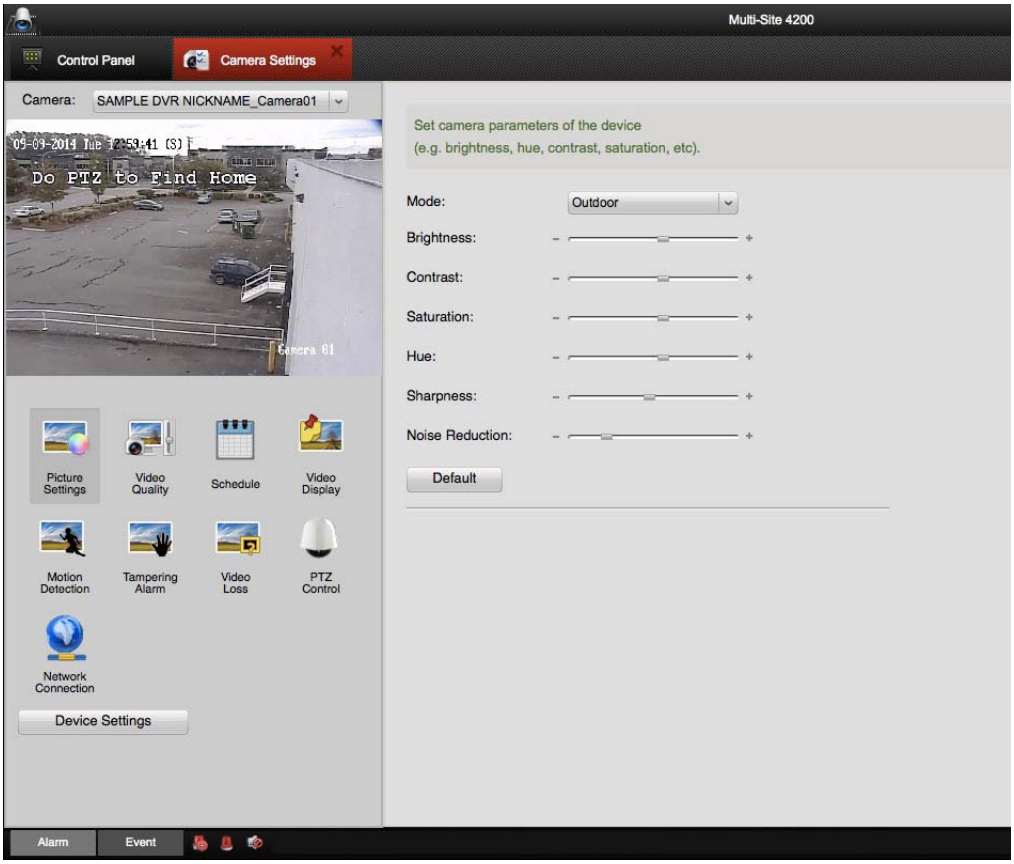
Note Always click **Save** before exiting the **Device Parameters** window.

Remotely Configuring Cameras

You can remotely configure camera parameters in the **Camera Settings** tab.

To configure a camera

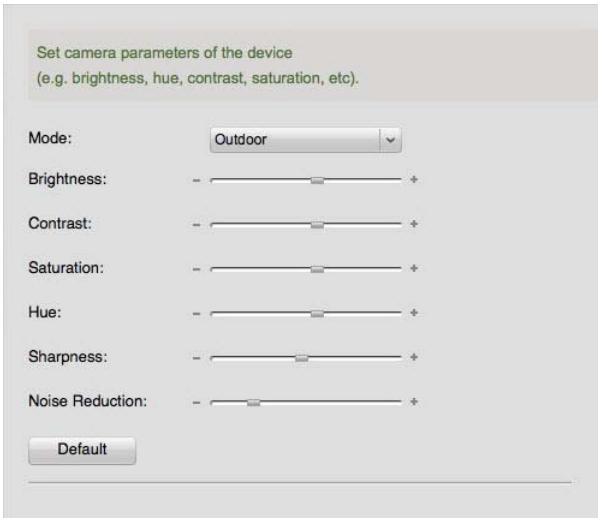
1. In **Control Panel**, click **Camera Settings**.



2. In **Camera**, select the camera you want to configure from the drop-down list. Live video from the selected camera appears in the video window.

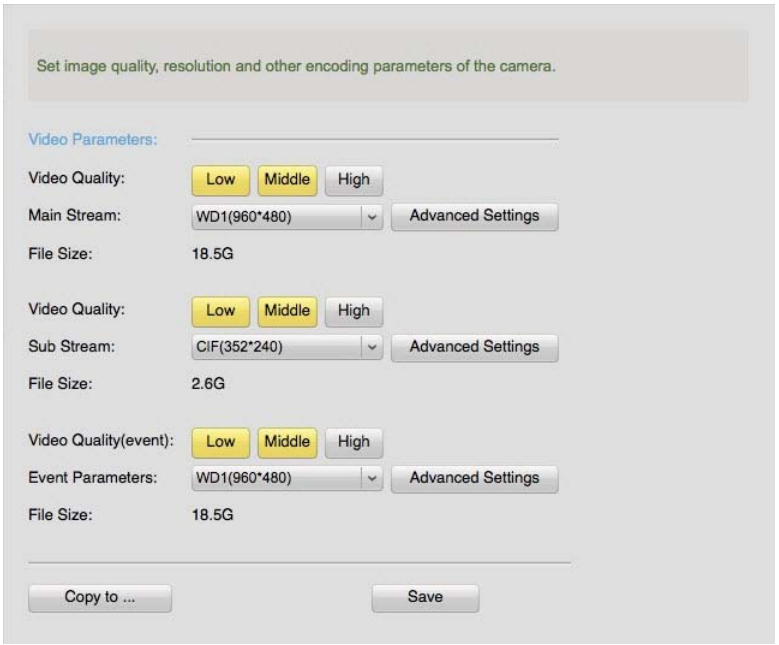
Configuring Picture Settings

Click **Picture Settings** to configure the camera picture. In the **Mode** drop-down list, select the desired mode: **Standard**, **Indoor**, **Dim**, or **Outdoor**. You can also move the sliders to adjust the brightness, contrast, saturation, and/or hue of the video image.



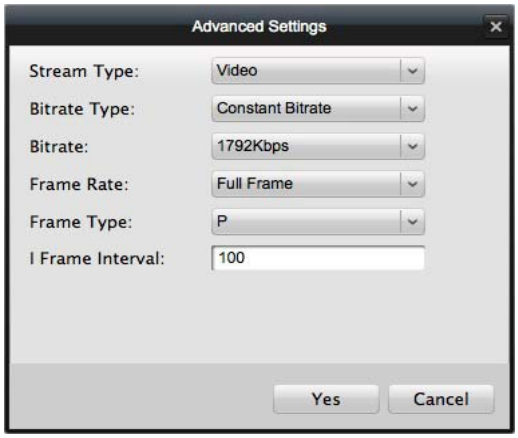
Configuring Video Quality

Click **Video Quality** to configure the video stream quality and resolution of the camera.

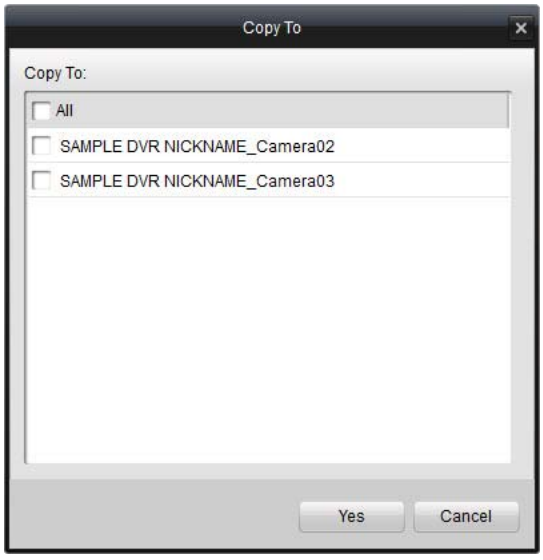


To configure the video stream quality and resolution

1. Next to **Video Quality**, click **Low**, **Middle**, or **High** to set the main stream video quality.
2. In **Main Stream**, select the resolution you want from the drop-down list.
3. To configure additional settings for the main stream, click **Advanced Settings**.
   a. In **Stream Type**, select **Video** or **Video & Audio**.
   b. In **Bitrate Type**, select **Variable** or **Constant Bitrate**.
   c. In **Baud Rate**, select the baud rate you want to use. Choose a value between **32 Kbps** and **3072 Kbps** or click **Customize** to enter your own value.
   d. In **Frame Rate**, select the frame rate you want to use. Choose a value between **1**/**16** and **Full Frame**.
   e. In **Frame Type**, select **P** or **BBP**.
   f. In **I Frame Interval**, enter the I-frame interval you want to use. The default value is **30**.
   g. Click **Yes** to confirm your settings.



4. Configure the sub stream and event video settings following the same steps as above.
5. Click **Save** to save your settings.
6. If you want to copy these settings to additional cameras, do the following:
   a. Click **Copy to** .
   b. In the **Copy to** dialog box, select the camera(s) you want to copy the settings to (or select **All** to copy the settings to all cameras), and then click **Yes**.

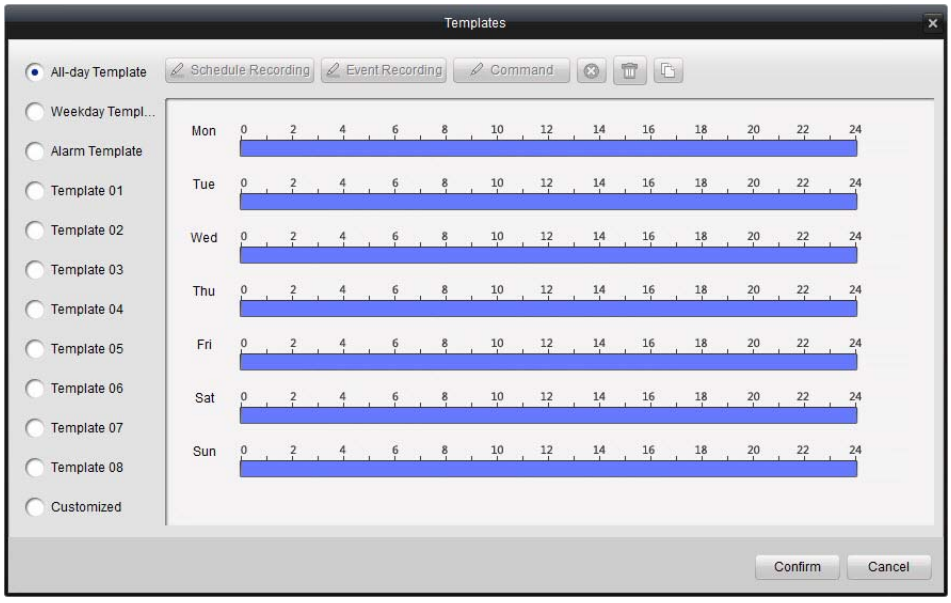


Configuring the Recording Schedule

Click **Schedule** to set the recording schedule of the camera.

To set the recording schedule

1. Select the **Local Recording** check box.
2. Next to **Record Schedule**, click the calendar icon to open the **Templates** dialog box (it is set to **All-day Template** by default).



3. Select a pre-designed template (**All-day Template**, **Weekday Template**, **Alarm Template**) or customize your own, and then click **Confirm**.

To create a customized recording schedule template

1. In the **Templates** dialog box, do one of the following:
   - Select a numbered template (for example, Template 01), click **Edit**, and then type a name for the template.
   - Select **Customized**.
2. Select one of the following recording types:
   - **Schedule Recording**: Normal scheduled recording (displays as blue).
   - **Event Recording**: Scheduled recording triggered by events (displays as yellow).
   - **Command**: Scheduled recording triggered by commands (displays as green).
3. Drag the mouse pointer in the timeline for each day of the week to define the recording start and end times for that day. Clicking on the colored bar displays the exact start and stop times.
4. To copy the recording time to another day of the week, click the colored bar to select it, and then click the **Copy To** button . Select the check box(es) of the day(s) you want to copy to (or select the **All** check box to copy to all days), and then click **Confirm**.
5. Click **Confirm**.

To delete recording times

- To delete a specific recording time from a customized recording schedule template, in the **Templates** dialog box, click the recording time you want to delete, click the **Delete** button , and then click **Confirm**.
- To delete all the recording times from a customized recording schedule template, in the **Templates** dialog box, click the **Delete All** button , and then click **Confirm**.

To configure advanced settings

1. Click the **Advanced Settings** button.
2. In the **Advanced Settings** dialog box, set the pre-record and post-record times, video expired time, enable or disable redundant record, enable or disable audio, and then click **Yes**.

To save the recording schedule settings

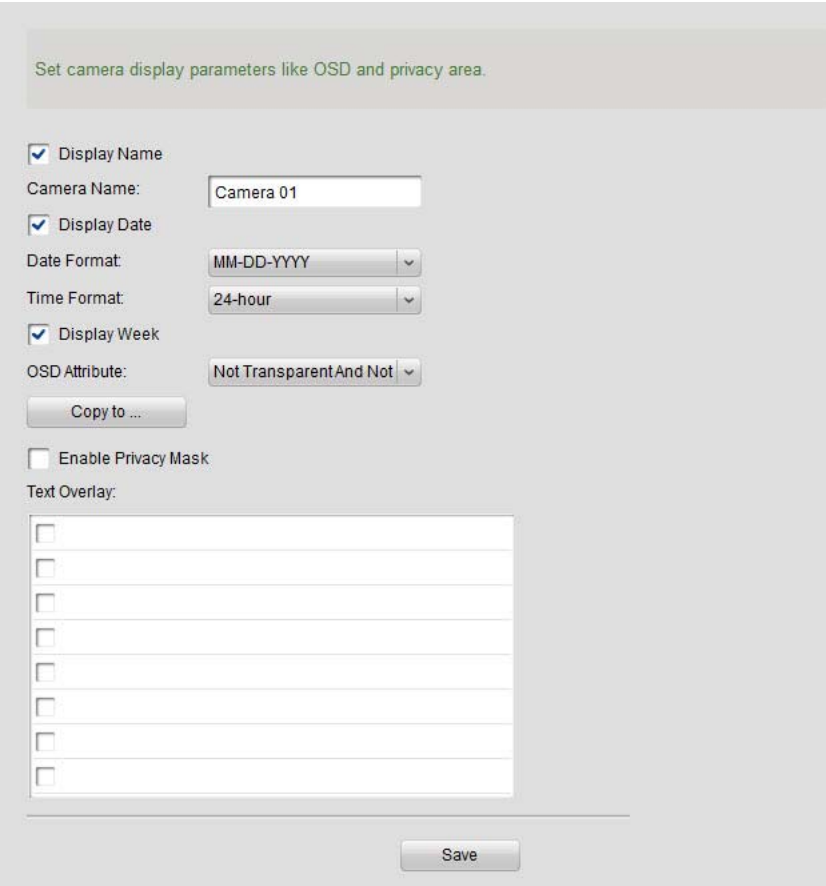
Click **Save** to save your settings.

To copy the recording schedule settings to additional cameras

1. Click **Copy to** .
2. In the **Copy to** dialog box, select the camera(s) you want to copy the settings to (or select **All** to copy the settings to all cameras), and then click **Yes**.

Configuring the Video Display

Click **Video Display** to set up the video display and create privacy masks and text overlays for the camera.



To set up the video display

1. Do one or more of the following:
   - To display the camera name in the video window, select the **Display Name** check box. Enter the camera name you want to appear on-screen in the **Camera Name** box. Drag the camera name box to the desired location in the video window.To stop displaying the camera name in the video window, clear the **Display Name** check box.
   - To display the current date/time in the video window, select the **Display Date** check box. Specify the date and time format in the **Date Format** and **Time Format** boxes. Drag the date/time box to the desired location in the video window. To stop displaying the current date/time in the video window, clear the **Display Date** check box.
   - To display the current day of the week in the video window, select the **Display Week** check box. To stop displaying the current day of the week in the video window, clear the **Display Week** check box.

2. In **OSD Attribute**, select one of the following options:
   - **Transparent And Flash**
   - **Transparent And Not Flash**
   - **Flash And Not Transparent**
   - **Not Transparent and Not Flash**
3. Click **Save** to save your settings.
4. If you want to copy these settings to additional cameras, do the following:
   a. Click **Copy to** .
   b. In the **Copy to** dialog box, select the camera(s) you want to copy the settings to (or select **All** to copy the settings to all cameras), and then click **Yes.**

To create a privacy mask

1. Select the **Enable Privacy Mask** check box.
2. Directly below the video window, select **Draw Privacy Mask Area** from the drop-down list.
3. In the video window, drag the mouse pointer over the area you want to mask. The privacy mask appears as an outlined gray shape overlaid onto the screen.

4. Create additional privacy masks if desired. You can create up to four masks.
5. Click **Save** to save your settings.

To edit a privacy mask

- Drag the handles on the edges of the mask to adjust its size and shape.
- Drag the center of the mask to move it to a different location, and then click **Save**.

To delete a privacy mask

1. Ensure that the **Enable Privacy Mask** check box is selected.
2. Directly below the video window, select **Draw Privacy Mask Area** from the drop-down list.

3. Do one of the following:
   - To delete a single privacy mask, select the privacy mask, and then click the **Delete** button ,
   - To delete multiple privacy masks at once, click the **Delete All** button .
4. Click **Save** to save your settings.

To create an OSD text overlay

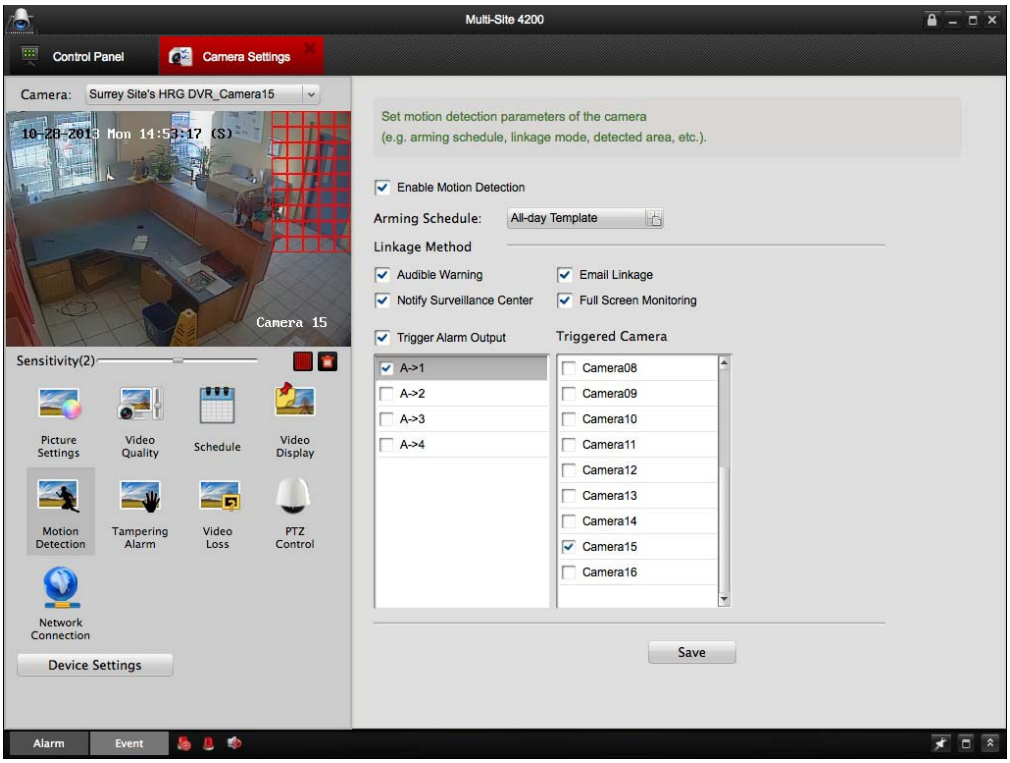
1. In the **Text Overlay** area, select a check box, type the text you want to appear in the video window, and then click **Save**. The text appears in the upper left corner of the video window.
2. Drag the text to the desired location in the video window, and then click **Save**.

To delete an OSD text overlay

In the **Text Overlay** area, clear the check box next to the text you want to delete, and then click **Save**.

Configuring Motion Detection

Click **Motion Detection** to set up motion detection for the camera.



To create a motion detection area

1. Select the **Enable Motion Detection** check box.
2. In the video window, drag the mouse pointer over the portion of the window you want to designate as a motion detection area, or click the **All Regions** button to designate the entire video window as the motion detection area.
3. Move the **Sensitivity** slider, located directly below the video window, to adjust the motion detection sensitivity.
4. If applicable, drag the motion detection area to the desired location in the video window.
5. Click **Save** to save your settings.

To delete a motion detection area

1. Do one of the following:
   - To delete a single motion detection area, click the **Delete** button .
   - To delete all motion detection areas, click the **Delete All** button .
2. Click **Save** to save your settings.

To set up a motion detection arming schedule

1. Ensure that the **Enable Motion Detection** check box is selected.
2. Next to **Arming Schedule**, click the calendar icon to open the **Templates** dialog box (it is set to **All-day Template** by default).
3. Select a pre-designed template (**All-day Template**, **Weekday Template**, **Alarm Template**) or customize your own, and then click **Confirm**.

   The steps for setting up the motion detection arming schedule are similar to those used to set up the recording schedule. Refer to *Configuring the Recording Schedule* on page 74 for more information.

To set up motion detection actions

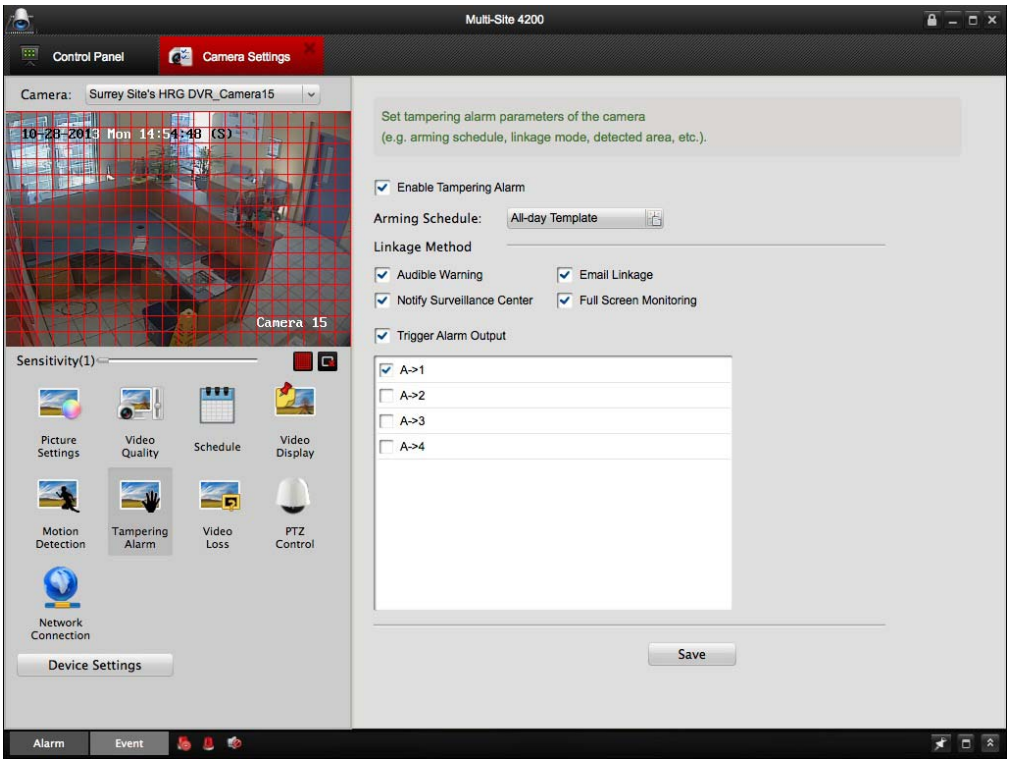
1. In the **Linkage Method** area, select one or more of the following check boxes.

• **Audible Warning**	Triggers an audible warning on the device when motion is detected.
• **Notify Surveillance Center**	Sends alarm information to CMS software when motion is detected.
• **Trigger Alarm Output**	Activates one or more alarm outputs when motion is detected.
• **Email Linkage**	Sends an email when motion is detected.
• **Full Screen Monitoring**	Video window changes to full screen mode when motion is detected.

2. If **Trigger Alarm Output** was selected in step 1, select the alarm output(s) you want to activate when motion is detected.
3. Under **Triggered Camera**, select the cameras you want to activate when motion is detected.
4. Click **Save** to save your settings.

Configuring the Tampering Alarm

Click **Tampering Alarm** to set up a tampering alarm for the camera. A tampering alarm is triggered when the camera is blinded so that the area being monitored is no longer visible.



To create a tampering detection area

1. Select the **Enable Tampering Alarm** check box.
2. The tampering detection area covers the entire video window by default. If you only want to cover a portion of the video window, adjust the dimensions and placement of the grid. Clicking the **All Regions** button will restore the tampering detection area to the entire video window.
3. Move the **Sensitivity** slider, located directly below the video window, to adjust the tampering detection sensitivity.
4. Click **Save** to save your settings.

To delete a tampering detection area

Click the **Delete** button, and then click **Save**.

To set up a tampering detection arming schedule

1. Ensure that the **Enable Tampering Alarm** check box is selected.
2. Next to **Arming Schedule**, click the calendar icon to open the **Templates** dialog box (it is set to **All-day Template** by default).

3. Select a pre-designed template (**All-day Template**, **Weekday Template**, **Alarm Template**) or customize your own, and then click **Confirm**.

   The steps for setting up the tampering detection arming schedule are similar to those used to set up the recording schedule. Refer to *Configuring the Recording Schedule* on page 74 for more information.

To set up tampering alarm actions

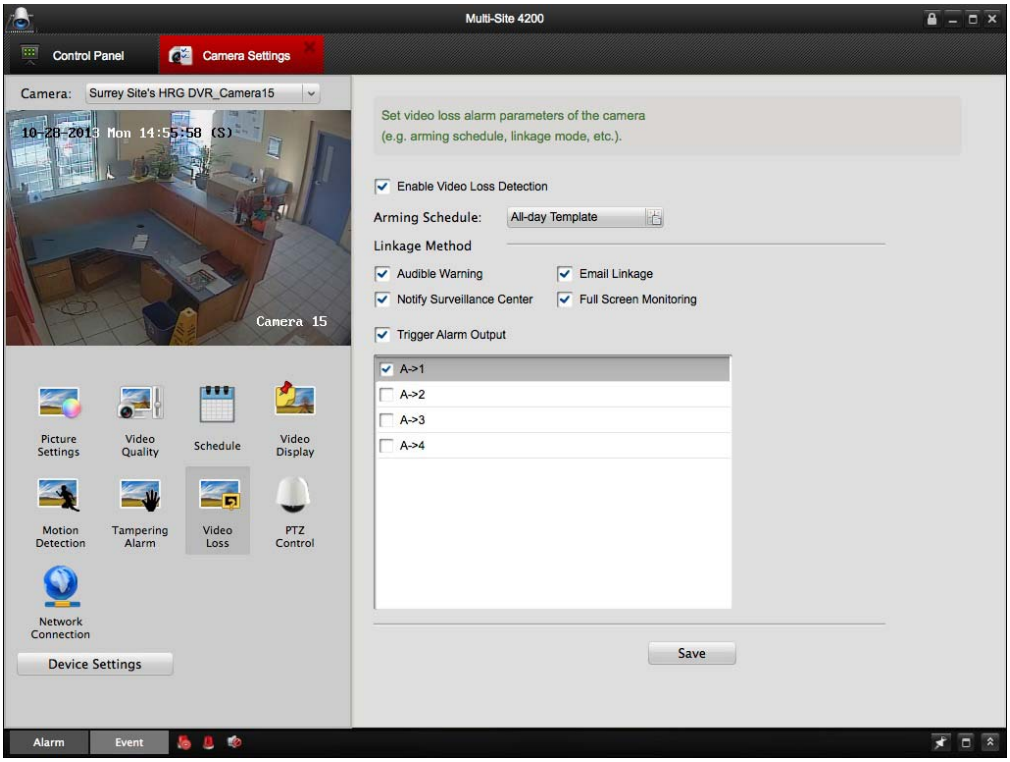
1. In the **Linkage Method** area, select one or more of the following check boxes.

   - **Audible Warning** — Triggers an audible warning on the device when camera tampering is detected.
   - **Notify Surveillance Center** — Sends alarm information to CMS software when camera tampering is detected.
   - **Trigger Alarm Output** — Activates one or more alarm outputs when camera tampering is detected.
   - **Email Linkage** — Sends an email when camera tampering is detected.
   - **Full Screen Monitoring** — Video window changes to full screen mode when camera tampering is detected.

2. If **Trigger Alarm Output** was selected in step 1, select the alarm output(s) you want to activate when camera tampering is detected.
3. Click **Save** to save your settings.

Configuring Video Loss Detection

Click **Video Loss** to set up video loss detection for the camera.



To set up video loss detection

1. Select the **Enable Video Loss Detection** check box.
2. Next to **Arming Schedule**, click the calendar icon to open the **Templates** dialog box (it is set to **All-day Template** by default).
3. Select a pre-designed template (**All-day Template**, **Weekday Template**, **Alarm Template**) or customize your own, and then click **Confirm**.

   The steps for setting up the video loss detection arming schedule are similar to those used to set up the recording schedule. Refer to *Configuring the Recording Schedule* on page 74 for more information.
4. In the **Linkage Method** area, select one or more of the following check boxes.

   - **Audible Warning** — Triggers an audible warning on the device when the video connection is lost.
   - **Notify Surveillance Center** — Sends alarm information to CMS software when the video connection is lost.
   - **Trigger Alarm Output** — Activates one or more alarm outputs when the video connection is lost.
   - **Email Linkage** — Sends an email when the video connection is lost.
   - **Full Screen Monitoring** — Video window changes to full screen mode when the video connection is lost.
5. If **Trigger Alarm Output** was selected in step 1, select the alarm output(s) you want to activate when the video connection is lost.
6. Click **Save** to save your settings.

Configuring PTZ Settings

If the camera is a PTZ camera, click **PTZ Control** to specify PTZ connection parameters, including baud rate, data bit, stop bits, parity, flow control, protocol type, and address.

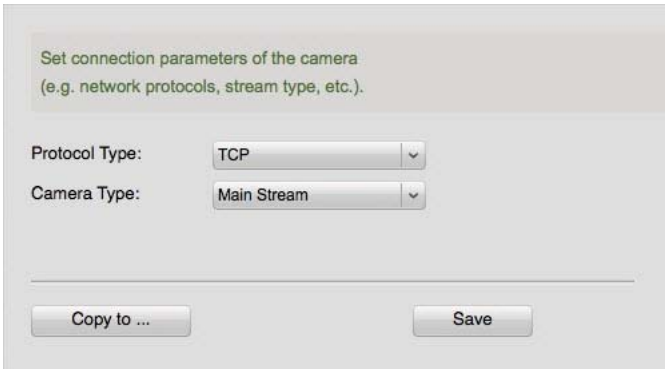
Note The PTZ parameters should be consistent with the settings of the PTZ on the DVR to ensure valid PTZ control.

To configure PTZ settings

1. In **Baud Rate**, select a value between **50** and **115.2K**. The default is **9600**.
2. In **Data Bit**, select a value between **5** and **8**. The default value is **8**.
3. In **Stop Bit**, select **1** or **2**. The default value is **1**.
4. In **Parity**, select **None**, **Odd**, or **Even**. The default setting is **None**.
5. In **Flow Control**, select **None**, **Software**, or **Hardware**. The default setting is **None**.
6. In **Protocol Type**, select a protocol from the list. The default protocol is **VCL**.
7. In **PTZ Address**, enter the address of the PTZ camera.
8. Click **Test** to display the PTZ controls. Use the PTZ controls to test PTZ function.
9. Click **Save** to save your settings.
10. If you want to copy these settings to additional PTZ cameras, do the following:
    a. Click **Copy to** .
    b. In the **Copy to** dialog box, select the camera(s) you want to copy the settings to (or select **All** to copy the settings to all cameras), and then click **Yes**.

Configuring the Network Connection

Click **Network Connection** to specify the network protocol type and video stream settings for the camera.



Note **Camera Type** is the only setting that is supported at this time. This setting selects which camera stream is used for video on Multi-Site 4200.

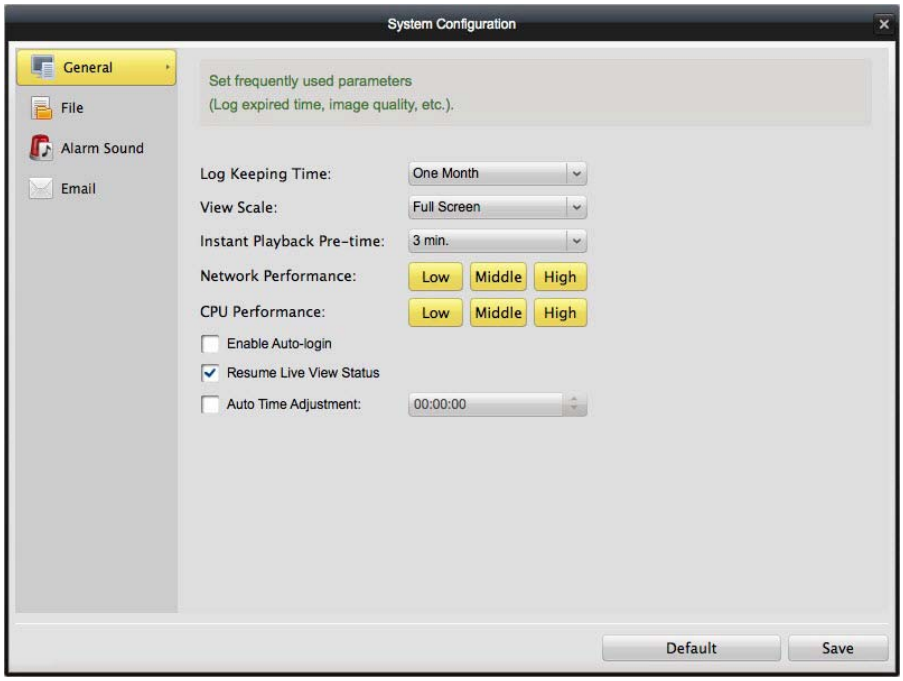
Configuring System Settings

You can configure Multi-Site 4200 system settings in the **System Configuration** window.

Configuring General System Settings

To configure general system settings

1. In **Control Panel**, click **System Configuration**.



2. Configure any of the following settings:

Setting	Description
Log Keeping Time	Sets the length of time logs are kept: **One Week**, **Half a Month**, **One Month**.
View Scale	Sets the aspect ratio for displaying video in live view mode: **Full Screen**, **4:3**, or **16:9**.
Instant Playback Pre-time	Sets the amount of video to play back during instant playback: **3 min.**, **5 min.**, or **10 min**.
Network Performance	Sets network performance priority: **Low**, **Middle**, or **High**.
CPU Performance	Sets CPU performance priority: **Low**, **Middle**, or **High**.

Setting	Description
Enable Auto-login	When selected, user is logged in automatically.
Resume Live View Status	When selected, enables the resume live view status option.
Auto Time Adjustment	Sets the time to the selected value.

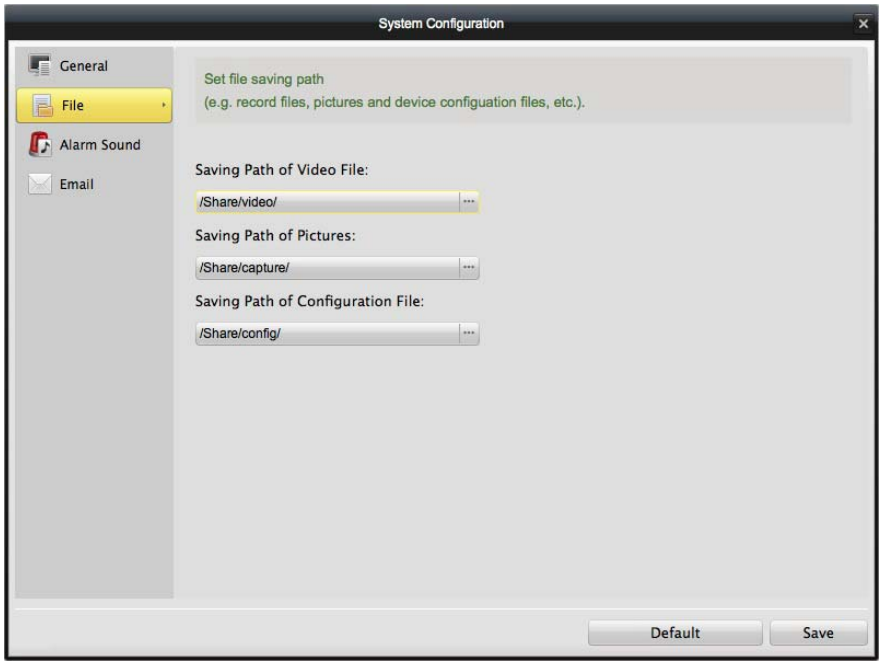
3. Click **Save** to save your settings, or click **Default** to return to the factory default settings.

Configuring File Saving Paths

You can change the assigned file saving paths for storing video files, captured images, and configuration files.

To change a file saving path

1. In **Control Panel**, click **System Configuration**.
2. In the left navigation pane, click **File**.



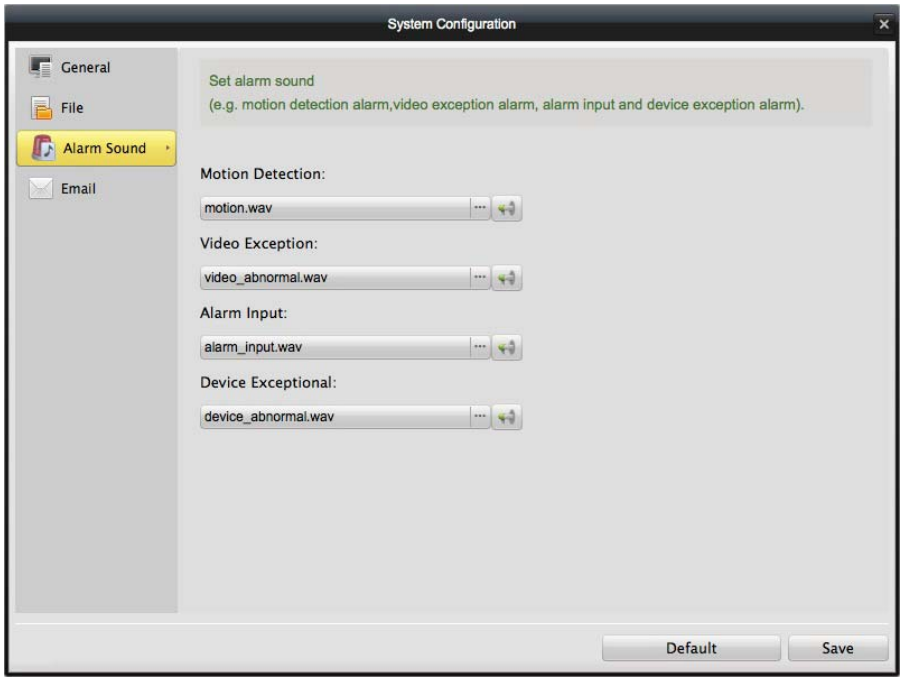
3. Next to the path you want to change, click the browse button ···.
4. In the **Select File Path** dialog box, type the name of the directory where you want to save files in **Directory** or browse to the directory using the arrow buttons, and then click **Choose**.
5. Repeat steps 3 and 4 for each path that you want to change.
6. Click **Save** to save your settings, or click **Default** to return to the factory default settings.

Configuring Alarm Sounds

You can change the assigned alarm sounds for motion detection, video exception, and device exception alarms, and for alarm inputs.

To change an alarm sound

1. In **Control Panel**, click **System Configuration**.
2. In the left navigation pane, click **Alarm Sound**.



You can sample the current alarm sounds by clicking the test button next to each audio file (.wav).

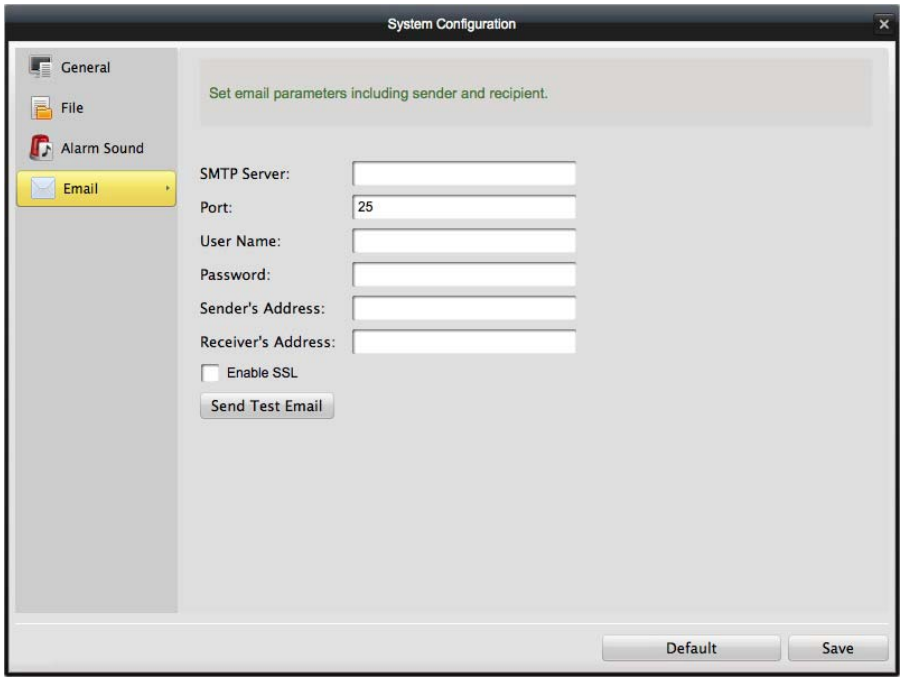
3. Next to the alarm sound you want to change, click the browse button .
4. In the **Open Video File** dialog box, browse to the location of the new audio file (.wav) using the arrow buttons, and then click **Open**.
5. Repeat steps 3 and 4 for each alarm sound that you want to change.
6. Click **Save** to save your settings, or click **Default** to return to the factory default settings.

Configuring Email Settings

You can set email parameters, including the SMTP server, port number, user name and password, sender and recipient addresses, and SSL.

To configure email settings

1. In **Control Panel**, click **System Configuration**.
2. In the left navigation pane, click **Email**.



3. Enter values for the **SMTP Server**, **Port**, **User Name**, **Password**, **Sender's Address**, and **Receiver's Address**.
4. If you want to enable SSL security protocol, click **Enable SSL**.
5. Click **Send Test Email** to confirm that the email settings are correct.
6. Click **Save** to save your settings, or click **Default** to return to the factory default settings.

A

Troubleshooting

The following table provides troubleshooting information for Multi-Site 4200:

If this happens...	This might be the problem...	So try this...
Live view for a device fails.	• Unstable or insufficient network performance. • The device might be offline. • Too many accesses to the remote device might result in too high of a load for the device. • The current user might not have permission for Live View. • The version of the software might need to be upgraded.	• Check the network status and disable not-in-use processes on your computer. • Check the device's network status. • Restart the device or disable other remote access to the device. • Log in as the admin user and try again. • Download the latest version of the software.
Downloading the playback file either fails or is too slow.	• Unstable or insufficient network performance. • The NIC type is not compatible. • Too many accesses to the remote device might result in too high of a load for the device. • The current user might not have permission for playback. • The software might need to be upgraded.	• Check the network status and disable not-in-use processes on your computer. • Directly connect the computer running the client to the device to check the compatibility of the NIC card. • Restart the device or disable other remote access to the device. • Log in as the admin user and try again. • Download the latest version of the software.

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Document 800-13101 – Rev B – 09/2014

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